### **Appendix C**

### **Recovered Items Information**

C-1	<b>All Intrusive Anomaly</b>	Results
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C-2 Team Logbooks

**C-3** Munitions Debris and

**Non-Munitions Debris Totals** 



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# **Appendix C-1**

**All Intrusive Anomaly Results** 



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Area	Dig#	Description	Weight lbs.	Comments	Ordnance Type	Specific Item	Within 50CM	Depth inches	Model	Fired Filler	Case Rusted	Case Intact Cause	Soil Type		Limestone	Date	Team Leader	Team
C67	001	Non-Munitions Debris	0	Nail, 4"	N/A	N/A	<b>V</b>	3	N/A	N/A		N/A	Loam	N/A		8/10/2005	Lister	Int1
C67	001md	Non-Munitions Debris	1	Nail	N/A	N/A		0	N/A	N/A		N/A	Loam	N/A		8/8/2005	Lister	Int1
C67	002	Munitions Debris	1	Expended M49 Trip Flare Case	Flare	Trip	<b>✓</b>	2	N/A	✓ N/A		N/A	Loam	Recent		8/10/2005	Lister	Int1
C67	002md	Non-Munitions Debris	1	Nail	N/A	N/A		0	N/A	N/A		N/A	Loam	N/A		8/8/2005	Lister	Int1
C67	003	Non-Munitions Debris	2	Scrap Steel, 36"	N/A	N/A	<b>✓</b>	10	N/A	N/A		N/A	Loam	N/A		8/10/2005	Lister	Int1
C67	003md	Non-Munitions Debris	1	Rebar	N/A	N/A		0	N/A	N/A		N/A	Loam	N/A		8/8/2005	Lister	Int1
C67	004	Non-Munitions Debris	1	Scrap Steel, 8" x 2"	N/A	N/A	<b>✓</b>	10	N/A	N/A		N/A	Loam	N/A		8/10/2005	Lister	Int1
C67	004md	Non-Munitions Debris	1	Rebar	N/A	N/A		0	N/A	N/A		N/A	Loam	N/A		8/8/2005	Lister	Int1
C67	005	Non-Munitions Debris	1	Wire, 24"	N/A	N/A	<b>✓</b>	6	N/A	N/A		N/A	Loam	N/A		8/10/2005	Lister	Int1
C67	006	Non-Munitions Debris	0	Wire, 8"	N/A	N/A	<b>✓</b>	3	N/A	N/A		N/A	Loam	N/A		8/10/2005	Lister	Int1
C67	007	Non-Munitions Debris	1	Scrap Steel, 10"x.5"	N/A	N/A	<b>✓</b>	2	N/A	N/A		N/A	Loam	N/A		8/10/2005	Lister	Int1
C67	008	Non-Munitions Debris	1	Wire Bundle	N/A	N/A	<b>✓</b>	0	N/A	N/A		N/A	Loam	N/A		8/10/2005	Lister	Int1
C67	009	Non-Munitions Debris	1	Aluminum Can Lid	N/A	N/A	<b>✓</b>	1	N/A	N/A		N/A	Loam	N/A		8/10/2005	Lister	Int1
C67	010	Non-Munitions Debris	1	Scrap Aluminum, 6" x 1.5", Same as C67-11	N/A	N/A	<b>✓</b>	0	N/A	N/A		N/A	Loam	N/A		8/10/2005	Lister	Int1
C67	011	Non-Munitions Debris	0	Scrap Aluminum, 6" x 1.5", Same as C67-10	N/A	N/A	<b>✓</b>	0	N/A	N/A		N/A	Loam	N/A		8/10/2005	Lister	Int1
C67	012	Non-Munitions Debris	50	Fence Post	N/A	N/A	<b>✓</b>	0	N/A	N/A		N/A	Loam	N/A		8/10/2005	Lister	Int1
C67	013	Non-Munitions Debris	1	Vehicle Oil Filter, 10" x 3"	N/A	N/A	<b>✓</b>	18	N/A	N/A		N/A	Loam	N/A		8/10/2005	Lister	Int1
C67	014	Non-Munitions Debris	0	Wire, 3"	N/A	N/A	<b>✓</b>	2	N/A	N/A		N/A	Loam	N/A		8/10/2005	Lister	Int1
C67	020	Non-Munitions Debris	0	Wire, 4"	N/A	N/A	<b>✓</b>	3	N/A	N/A		N/A	Loam	N/A		8/10/2005	Lister	Int1
CULVER	Γ 001	Non-Munitions Debris	1	Brass	N/A	Brass	<b>✓</b>	3	N/A	N/A		N/A	Loam	N/A		8/8/2005	Lister	Int1
CULVER	Γ 002	Non-Munitions Debris	1	Scrap Steel	N/A	N/A	<b>✓</b>	6	N/A	N/A		N/A	Loam	N/A		8/8/2005	Lister	Int1
CULVER	Γ 003	Non-Munitions Debris	0	Ammo Can Latch	N/A	N/A	<b>✓</b>	8	N/A	N/A		N/A	Loam	N/A		8/8/2005	Lister	Int1
CULVER	Γ 004	Non-Munitions Debris	0	Concrete & Rebar	N/A	N/A	<b>✓</b>	8	N/A	N/A		N/A	Loam	N/A		8/8/2005	Lister	Int1
CULVER	Γ 005	Munitions Debris	1	Rifle Grenade, Illumination, Expended	Projectile	ifle Grenade, Illu	ı <b>V</b>	3	N/A	✓ N/A		N/A	Loam	WWII		8/8/2005	Lister	Int1
CULVER	Γ 006	Munitions Debris	1	81 mm Mortar Fin	Projectile	81mm, Fin	<b>✓</b>	10	N/A	✓ N/A		N/A	Loam	WWII		8/8/2005	Lister	Int1
CULVER	Γ 007	Non-Munitions Debris	0	Concrete & Rebar	N/A	N/A	<b>✓</b>	0	N/A	N/A		N/A	Loam	N/A		8/8/2005	Lister	Int1
CULVER	Γ 008	Non-Munitions Debris	1	Rebar, 7"	N/A	N/A	<b>✓</b>	2	N/A	N/A		N/A	Loam	N/A		8/8/2005	Lister	Int1
CULVER	Γ 009	Non-Munitions Debris	0	Concrete & Rebar	N/A	N/A	<b>✓</b>	2	N/A	N/A		N/A	Loam	N/A		8/8/2005	Lister	Int1
CULVER	Γ 010	Non-Munitions Debris	0	Rebar, 20", Same as CUL-011	N/A	N/A	<b>✓</b>	1	N/A	N/A		N/A	Loam	N/A		8/8/2005	Lister	Int1
CULVER	Γ 011	Non-Munitions Debris	3	Rebar, 20", Same as CUL-010	N/A	N/A	<b>✓</b>	0	N/A	N/A		N/A	Loam	N/A		8/8/2005	Lister	Int1
CULVER	Γ 012	Non-Munitions Debris	1	Rebar, 3"	N/A	N/A	<b>~</b>	1	N/A	N/A		N/A	Loam	N/A		8/8/2005	Lister	Int1
CULVER	Γ 013	Non-Munitions Debris	3	Rebar, 20"	N/A	N/A	<b>✓</b>	1	N/A	N/A		N/A	Loam	N/A		8/8/2005	Lister	Int1
CULVER	Γ 014	Non-Munitions Debris	2	Rebar, 12"	N/A	N/A	<b>✓</b>	1	N/A	N/A		N/A	Loam	N/A		8/8/2005	Lister	Int1
CULVER	Γ 015	Non-Munitions Debris	2	Rebar, 14"	N/A	N/A	<b>~</b>	2	N/A	N/A		N/A	Loam	N/A		8/8/2005	Lister	Int1

Area	Dig#	Description	Weight lbs.	Comments	Ordnance Type	Specific Item	Within 50CM	Depth inches	Model	Fired	Filler	Case Rusted	Case Intact Caus	Soil Type	Era of Use	Limestone	Date	Team Leader	Team
CULVERT	016	Non-Munitions Debris	1	Scrap Steel, 30"	N/A	N/A	<b>V</b>	30	N/A		N/A		N/A	Loam	N/A		8/8/2005	Lister	Int1
CULVERT	018	Non-Munitions Debris	1	Rebar, 7"	N/A	N/A	<b>✓</b>	1	N/A		N/A		N/A	Loam	N/A		8/8/2005	Lister	Int1
CULVERT	020	Non-Munitions Debris	1	Rebar, 4"	N/A	N/A	<b>✓</b>	6	N/A		N/A		N/A	Loam	N/A		8/8/2005	Lister	Int1
CULVERT	023	Non-Munitions Debris	0	Brass	N/A	Brass	<b>~</b>	1	N/A		N/A		N/A	Loam	N/A		8/8/2005	Lister	Int1
CULVERT	024	Non-Munitions Debris	1	Rebar, 3"	N/A	N/A	<b>~</b>	1	N/A		N/A		N/A	Loam	N/A		8/8/2005	Lister	Int1
CULVERT	030qc	Non-Munitions Debris	1	Wire, Reinforcing; (Originally SA-017)	N/A	N/A	<b>✓</b>	0	N/A		N/A		N/A	Loam	N/A		8/19/2005	Bendel	QC
D07	001md	Non-Munitions Debris	0	Concrete & Rebar	N/A	N/A		0	N/A		N/A		N/A	Loam	N/A		8/8/2005	Lister	Int1
D14	001md	Non-Munitions Debris	0	Concrete & Rebar	N/A	N/A		4	N/A		N/A		N/A	Loam	N/A		8/8/2005	Lister	Int1
D14	002md	Non-Munitions Debris	0	Concrete & Rebar	N/A	N/A		0	N/A		N/A		N/A	Loam	N/A		8/8/2005	Lister	Int1
D14	003md	Non-Munitions Debris	1	Rebar, 4"	N/A	N/A		6	N/A		N/A		N/A	Loam	N/A		8/8/2005	Lister	Int1
D14	004md	Non-Munitions Debris	1	Brass (1 ea)	N/A	Brass		4	N/A		N/A		N/A	Loam	N/A		8/8/2005	Lister	Int1
D14	005md	Non-Munitions Debris	1	Rebar, 2"	N/A	N/A		2	N/A		N/A		N/A	Loam	N/A		8/8/2005	Lister	Int1
D14	006md	Non-Munitions Debris	1	Rebar, 4"	N/A	N/A		3	N/A		N/A		N/A	Loam	N/A		8/8/2005	Lister	Int1
D14	007md	Non-Munitions Debris	1	Rebar, 12" (looped)	N/A	N/A		2	N/A		N/A		N/A	Loam	N/A		8/8/2005	Lister	Int1
D15	001md	Non-Munitions Debris	1	Concrete, 16" x 16"	N/A	N/A		6	N/A		N/A		N/A	Loam	N/A		8/8/2005	Lister	Int1
D15	002md	Non-Munitions Debris	1	Concrete	N/A	N/A		0	N/A		N/A		N/A	Loam	N/A		8/5/2005	Lister	Int1
D15	003md	Non-Munitions Debris	1	Concrete	N/A	N/A		0	N/A		N/A		N/A	Loam	N/A		8/5/2005	Lister	Int1
D15	004md	Non-Munitions Debris	1	Rebar	N/A	N/A		0	N/A		N/A		N/A	Loam	N/A		8/5/2005	Lister	Int1
D22	001md	Munitions Debris	2	COE Seed Item H20- 004, 60mm, Expended, In SA Area	Projectile	60mm, Practice		6	N/A		N/A		N/A	Loam	N/A		8/8/2005	Lister	Int1
D22	002md	Non-Munitions Debris	1	Wire	N/A	N/A		0	N/A		N/A		N/A	Loam	N/A		8/5/2005	Lister	Int1
D22	003md	Non-Munitions Debris	1	Wire	N/A	N/A		0	N/A		N/A		N/A	Loam	N/A		8/5/2005	Lister	Int1
D22	004md	Non-Munitions Debris	1	Concrete	N/A	N/A		0	N/A		N/A		N/A	Loam	N/A		8/5/2005	Lister	Int1
D22	005md	Non-Munitions Debris	1	Rebar	N/A	N/A		0	N/A		N/A		N/A	Loam	N/A		8/5/2005	Lister	Int1
D23	001md	Non-Munitions Debris	1	Concrete, 8" x 10"	N/A	N/A		10	N/A		N/A		N/A	Loam	N/A		8/8/2005	Lister	Int1
D23	002md	Non-Munitions Debris	1	Pipe, 4" x 6"	N/A	N/A		18	N/A		N/A		N/A	Loam	N/A		8/8/2005	Lister	Int1
D23	003md	Non-Munitions Debris	1	Scrap Aluminum, 8" x 10"	N/A	N/A		4	N/A		N/A		N/A	Loam	N/A		8/8/2005	Lister	Int1
D23	004md	Non-Munitions Debris	1	Concrete	N/A	N/A		0	N/A		N/A		N/A	Loam	N/A		8/5/2005	Lister	Int1
D23	005md	Non-Munitions Debris	1	Rebar	N/A	N/A		0	N/A		N/A		N/A	Loam	N/A		8/5/2005	Lister	Int1
D23	006md	Non-Munitions Debris	1	Wire	N/A	N/A		0	N/A		N/A		N/A	Loam	N/A		8/5/2005	Lister	Int1
D23	007md	Non-Munitions Debris	1	Concrete	N/A	N/A		0	N/A		N/A		N/A	Loam	N/A		8/5/2005	Lister	Int1
D23	008md	Non-Munitions Debris	1	Concrete	N/A	N/A		0	N/A		N/A		N/A	Loam	N/A		8/5/2005	Lister	Int1
D23	009md	Non-Munitions Debris	1	Wire	N/A	N/A		0	N/A		N/A		N/A	Loam	N/A		8/5/2005	Lister	Int1
D34	001	No Find	0	Nothing Found	N/A	No Find		0	N/A		N/A		N/A	N/A	N/A		8/9/2005	Lister	Int1
D34	002	Non-Munitions Debris	0	Small piece of MRE Wrap	N/A	N/A	<b>✓</b>	0	N/A		N/A		N/A	Loam	N/A		8/9/2005	Lister	Int1

Area	Dig#	Description	Weight lbs.	Comments	Ordnance Type	Specific Item	Within 50CM	Depth inches	Model	Fired	Filler	Case Rusted	Case Intact	Cause	Soil Type	Era of Use	Limestone	Date	Team Leader	Team
D34	003	No Find	0	Nothing Found	N/A	No Find		0	N/A		N/A			N/A	N/A	N/A		8/9/2005	Lister	Int1
D34	006	No Find	0	Nothing Found	N/A	No Find		0	N/A		N/A			N/A	N/A	N/A		8/9/2005	Lister	Int1
D47	001	No Find	0	Nothing Found	N/A	No Find		0	N/A		N/A			N/A	N/A	N/A		8/9/2005	Lister	Int1
D47	001qc	No Find	0	Nothing Found	N/A	No Find		0	N/A		N/A			N/A	N/A	N/A		8/19/2005	Bendel	QC
D47	002qc	No Find	0	Nothing Found	N/A	No Find		0	N/A		N/A			N/A	N/A	N/A		8/19/2005	Bendel	QC
D47	006	No Find	0	Nothing Found	N/A	No Find		0	N/A		N/A			N/A	N/A	N/A		8/9/2005	Lister	Int1
D47	009	No Find	0	Nothing Found	N/A	No Find		0	N/A		N/A			N/A	N/A	N/A		8/9/2005	Lister	Int1
D75	001md	Munitions Debris	1	COE Seed Item H20- 006, 37mm AP-T, Expended, In CULVERT Area	Projectile	37mm, AP-T		0	N/A		N/A			N/A	Loam	N/A		8/9/2005	Lister	Int1
PPR	001	No Find	0	Nothing Found	N/A	No Find		0	N/A		N/A			N/A	N/A	N/A		8/12/2005	Lister	Int1
PPR	002	Non-Munitions Debris	1	Wire, 10"	N/A	N/A	<b>✓</b>	6	N/A		N/A			N/A	Loam	N/A		8/15/2005	Lister	Int1
PPR	003	Non-Munitions Debris	0	Wire, 8" (2 ea)	N/A	N/A	<b>✓</b>	6	N/A		N/A			N/A	Loam	N/A		8/16/2005	Lister	Int1
PPR	003qc	Non-Munitions Debris	1	Wire, Reinforcing (Spoils from initial digging); (Originally PPR-020)	N/A	N/A	<b>✓</b>	0	N/A		N/A			N/A	Loam	N/A		8/19/2005	Bendel	QC
PPR	004	Non-Munitions Debris	1	Nail, 3"	N/A	N/A	<b>~</b>	4	N/A		N/A			N/A	Loam	N/A		8/12/2005	Lister	Int1
PPR	004qc	Non-Munitions Debris	1	Wire, Reinforcing (Spoils from initial digging)	N/A	N/A	<b>✓</b>	0	N/A		N/A			N/A	Loam	N/A		8/19/2005	Bendel	QC
PPR	005	No Find	0	Nothing Found	N/A	No Find		0	N/A		N/A			N/A	N/A	N/A		8/15/2005	Lister	Int1
PPR	005qc	Non-Munitions Debris	1	Wire, Reinforcing (Spoils from initial digging)	N/A	N/A	<b>✓</b>	0	N/A		N/A			N/A	Loam	N/A		8/19/2005	Bendel	QC
PPR	006	Non-Munitions Debris	0	Concrete & Rebar	N/A	N/A	<b>✓</b>	10	N/A		N/A			N/A	Loam	N/A		8/16/2005	Lister	Int1
PPR	006qc	Non-Munitions Debris	1	Wire, Reinforcing (Spoils from initial digging)	N/A	N/A	<b>✓</b>	0	N/A		N/A			N/A	Loam	N/A		8/19/2005	Bendel	QC
PPR	007	Non-Munitions Debris	1	Wire, 36"	N/A	N/A	<b>✓</b>	10	N/A		N/A			N/A	Loam	N/A		8/12/2005	Lister	Int1
PPR	007qc	Non-Munitions Debris	1	Wire, Reinforcing (Spoils from initial digging); (Originally PPR-020)	N/A	N/A	<b>✓</b>	0	N/A		N/A			N/A	Loam	N/A		8/19/2005	Bendel	QC
PPR	008	Non-Munitions Debris	0	Wire, 6"	N/A	N/A	<b>✓</b>	0	N/A		N/A			N/A	Loam	N/A		8/15/2005	Lister	Int1
PPR	008qc	Non-Munitions Debris	1	Wire, Reinforcing (Spoils from initial digging)	N/A	N/A	<b>✓</b>	0	N/A		N/A			N/A	Loam	N/A		8/19/2005	Bendel	QC
PPR	009	Non-Munitions Debris	0	Wire, 8"	N/A	N/A	<b>✓</b>	8	N/A		N/A			N/A	Loam	N/A		8/16/2005	Lister	Int1
PPR	009qc	Non-Munitions Debris	1	Wire, Reinforcing (Spoils from initial digging); (Originally PPR-036)	N/A	N/A	<b>✓</b>	0	N/A		N/A			N/A	Loam	N/A		8/19/2005	Bendel	QC
PPR	010	Non-Munitions Debris	0	Wire, 6"	N/A	N/A	<b>✓</b>	3	N/A		N/A			N/A	Loam	N/A		8/12/2005	Lister	Int1



Area	Dig#	Description	Weight lbs.	Comments	Ordnance Type	Specific Item	Within 50CM	Depth inches	Model	Fired	Filler	Case Rusted	Case Intact	Cause	Filler Leak		Era of Use	Limestone	Date	Team Leader	Team
PPR	010qc	Non-Munitions Debris	1	Wire, Reinforcing (Spoils from initial digging); (Originally PPR-041)	N/A	N/A	<b>✓</b>	0	N/A		N/A			N/A		Loam	N/A		8/19/2005	Bendel	QC
PPR	011	Non-Munitions Debris	1	Rebar, 8"	N/A	N/A	<b>✓</b>	1	N/A		N/A			N/A		Loam	N/A		8/15/2005	Lister	Int1
PPR	011qc	Non-Munitions Debris	1	Wire, Reinforcing (Spoils from initial digging)	N/A	N/A	<b>✓</b>	0	N/A		N/A			N/A		Loam	N/A		8/19/2005	Bendel	QC
PPR	012qc	Non-Munitions Debris	1	Wire, Reinforcing (Spoils from initial digging)	N/A	N/A	✓	0	N/A		N/A			N/A		Loam	N/A		8/19/2005	Bendel	QC
PPR	013qc	Non-Munitions Debris	1	Wire, Reinforcing (Spoils from initial digging); (Originally PPR-046)	N/A	N/A	✓	0	N/A		N/A			N/A		Loam	N/A		8/19/2005	Bendel	QC
PPR	015	Non-Munitions Debris	0	Wire, 8"	N/A	N/A	<b>✓</b>	2	N/A		N/A			N/A		Loam	N/A		8/16/2005	Lister	Int1
PPR	016	Non-Munitions Debris	1	Bolt, .5" x .75"	N/A	N/A	<b>✓</b>	1	N/A		N/A			N/A		Loam	N/A		8/12/2005	Lister	Int1
PPR	017	Non-Munitions Debris	1	Aluminum Can Lid	N/A	N/A	<b>~</b>	2	N/A		N/A			N/A		Loam	N/A		8/15/2005	Lister	Int1
PPR	018	Non-Munitions Debris	0	Concrete & Rebar	N/A	N/A	<b>✓</b>	2	N/A		N/A			N/A		Loam	N/A		8/16/2005	Lister	Int1
PPR	019	Munitions Debris	1	COE Seed Item H20- 008, Hand Grenade	Grenade	nd Grenade, Prac	t 🗸	8	Mk I	<b>✓</b>	N/A			N/A		Loam	wwii		8/8/2005	Lister	Int1
PPR	020	Non-Munitions Debris	1	Rebar, 8"	N/A	N/A	<b>✓</b>	10	N/A		N/A			N/A		Loam	N/A		8/15/2005	Lister	Int1
PPR	021	Non-Munitions Debris	1	Nut, 1"	N/A	N/A	<b>✓</b>	1	N/A		N/A			N/A		Loam	N/A		8/16/2005	Lister	Int1
PPR	022	Non-Munitions Debris	0	Scrap Steel, 2" x 1"	N/A	N/A	<b>✓</b>	3	N/A		N/A			N/A		Loam	N/A		8/12/2005	Lister	Int1
PPR	028	Non-Munitions Debris	0	Brass	N/A	Brass	<b>✓</b>	0	N/A		N/A			N/A		Loam	N/A		8/15/2005	Lister	Int1
PPR	031	Non-Munitions Debris	0	Concrete & Rebar	N/A	N/A	<b>✓</b>	4	N/A		N/A			N/A		Loam	N/A		8/16/2005	Lister	Int1
PPR	032	Non-Munitions Debris	0	Brass (2 ea)	N/A	Brass	<b>✓</b>	0	N/A		N/A			N/A		Loam	N/A		8/12/2005	Lister	Int1
PPR	033	Non-Munitions Debris	0	Concrete & Rebar	N/A	N/A	<b>✓</b>	6	N/A		N/A			N/A		Loam	N/A		8/15/2005	Lister	Int1
PPR	034	Non-Munitions Debris	2	Rebar, 14"	N/A	N/A	<b>✓</b>	4	N/A		N/A			N/A		Loam	N/A		8/16/2005	Lister	Int1
PPR	035	Non-Munitions Debris	0	Concrete & Rebar (3 ea)	N/A	N/A	<b>✓</b>	8	N/A		N/A			N/A		Loam	N/A		8/12/2005	Lister	Int1
PPR	036	Non-Munitions Debris	0	Concrete & Rebar	N/A	N/A	<b>✓</b>	10	N/A		N/A			N/A		Loam	N/A		8/15/2005	Lister	Int1
PPR	037	Non-Munitions Debris	0	Concrete & Rebar	N/A	N/A	<b>~</b>	10	N/A		N/A			N/A		Loam	N/A		8/16/2005	Lister	Int1
PPR	038	Non-Munitions Debris	0	Concrete & Rebar	N/A	N/A	<b>✓</b>	10	N/A		N/A			N/A		Loam	N/A		8/12/2005	Lister	Int1
PPR	039	Non-Munitions Debris	0	Concrete & Rebar	N/A	N/A	<b>✓</b>	10	N/A		N/A			N/A		Loam	N/A		8/15/2005	Lister	Int1
PPR	040	Non-Munitions Debris	0	Concrete & Rebar, 8" x 8" and Rebar, 6", Same as PPR-041, 042, 043	N/A	N/A	✓	0	N/A		N/A			N/A		Loam	N/A		8/16/2005	Lister	Int1
PPR	041	Non-Munitions Debris	0	Concrete & Rebar, 8" x 8", Same as PPR- 040, 042, 043	N/A	N/A	✓	1	N/A		N/A			N/A		Loam	N/A		8/12/2005	Lister	Int1
PPR	042	Non-Munitions Debris	1	Rebar, 6", Same as PPR- 043, 040, 041	N/A	N/A	<b>✓</b>	0	N/A		N/A			N/A		Loam	N/A		8/12/2005	Lister	Int1
PPR	043	Non-Munitions Debris	0	Rebar, 6", Same as PPR- 042, 040, 041	N/A	N/A	<b>✓</b>	1	N/A		N/A			N/A		Loam			8/15/2005	Lister	Int1
PPR	044	Non-Munitions Debris	1	Rebar, 6" (2 ea)	N/A	N/A	<b>✓</b>	1	N/A		N/A		Ш	N/A		Loam	N/A		8/16/2005	Lister	Int1

Area	Dig#	Description	Weight lbs.	Comments	Ordnance Type	Specific Item	Within 50CM	Depth inches	Model	Fired	Filler	Case Rusted	Case Intact	Cause	Filler Leak	Soil Type	Era of Use	Limestone	Date	Team Leader	Team
PPR	045	Non-Munitions Debris	0	Brass	N/A	Brass	<b>V</b>	3	N/A		N/A			N/A		Loam	N/A		8/12/2005	Lister	Int1
PPR	046	Non-Munitions Debris	0	Concrete & Rebar	N/A	N/A	<b>✓</b>	6	N/A		N/A			N/A		Loam	N/A		8/15/2005	Lister	Int1
PPR	047	Non-Munitions Debris	0	Nail, 3"	N/A	N/A	<b>~</b>	4	N/A		N/A			N/A		Loam	N/A		8/16/2005	Lister	Int1
PPR	052	Non-Munitions Debris	0	Brass (2 ea)	N/A	Brass	<b>~</b>	4	N/A		N/A			N/A		Loam	N/A		8/12/2005	Lister	Int1
PPR	055	Non-Munitions Debris	0	Concrete & Rebar	N/A	N/A	<b>~</b>	10	N/A		N/A			N/A		Loam	N/A		8/15/2005	Lister	Int1
R02	001md	Non-Munitions Debris	1	Concrete, 18" x 24"	N/A	N/A		4	N/A		N/A			N/A		Loam	N/A		8/8/2005	Lister	Int1
R02	002md	Non-Munitions Debris	1	Concrete, 18" x 15"	N/A	N/A		6	N/A		N/A			N/A		Loam	N/A		8/8/2005	Lister	Int1
R02	003md	Non-Munitions Debris	1	Rebar, 8"	N/A	N/A		3	N/A		N/A			N/A		Loam	N/A		8/8/2005	Lister	Int1
R02	004md	Non-Munitions Debris	1	Concrete, 10" x 12"	N/A	N/A		6	N/A		N/A			N/A		Loam	N/A		8/8/2005	Lister	Int1
R02	005md	Non-Munitions Debris	1	Concrete	N/A	N/A		0	N/A		N/A			N/A		Loam	N/A		8/5/2005	Lister	Int1
R02	006md	Non-Munitions Debris	1	Concrete	N/A	N/A		0	N/A		N/A			N/A		Loam	N/A		8/5/2005	Lister	Int1
R02	007md	Non-Munitions Debris	1	Rebar	N/A	N/A		0	N/A		N/A			N/A		Loam	N/A		8/5/2005	Lister	Int1
R02	008md	Non-Munitions Debris	1	Concrete	N/A	N/A		0	N/A		N/A			N/A		Loam	N/A		8/5/2005	Lister	Int1
R02	009md	Non-Munitions Debris	1	Wire	N/A	N/A		0	N/A		N/A			N/A		Loam	N/A		8/5/2005	Lister	Int1
R03	001md	Non-Munitions Debris	1	Wire, 8"	N/A	N/A		6	N/A		N/A			N/A		Loam	N/A		8/12/2005	Lister	Int1
R03	002md	Non-Munitions Debris	0	Concrete & Wire	N/A	N/A		1	N/A		N/A			N/A		Loam	N/A		8/12/2005	Lister	Int1
R03	003md	Non-Munitions Debris	0	Concrete & Wire	N/A	N/A		4	N/A		N/A			N/A		Loam	N/A		8/12/2005	Lister	Int1
R05	001md	Non-Munitions Debris	0	Concrete & Wire	N/A	N/A		4	N/A		N/A			N/A		Loam	N/A		8/12/2005	Lister	Int1
R05	002md	Non-Munitions Debris	0	Concrete & Wire	N/A	N/A		4	N/A		N/A			N/A		Loam	N/A		8/12/2005	Lister	Int1
R05	003md	Non-Munitions Debris	0	Wire, 4"	N/A	N/A		3	N/A		N/A			N/A		Loam	N/A		8/12/2005	Lister	Int1
R05	004md	Non-Munitions Debris	0	Concrete & Wire	N/A	N/A		6	N/A		N/A			N/A		Loam	N/A		8/12/2005	Lister	Int1
R06	001md	Non-Munitions Debris	0	Concrete & Wire	N/A	N/A		6	N/A		N/A			N/A		Loam	N/A		8/12/2005	Lister	Int1
R06	002md	Non-Munitions Debris	2	Rebar, 10"	N/A	N/A		3	N/A		N/A			N/A		Loam	N/A		8/12/2005	Lister	Int1
R18	001	Non-Munitions Debris	1	Brass, .30 cal (30 ea)	N/A	Brass	<b>~</b>	14	N/A		N/A			N/A		Loam	N/A		8/15/2005	Lister	Int1
R18	002	Non-Munitions Debris	1	Brass, .30 cal (20 ea)	N/A	Brass	<b>✓</b>	15	N/A		N/A			N/A		Loam	N/A		8/15/2005	Lister	Int1
R18	003	Munitions Debris	1	COE Seed Item H20- 001, Hand Grenade, Aluminum Can/Rommel Stake, 5' Long North - South Orentation	Grenade	nd Grenade, Pract		14	Mk I	✓	N/A			N/A		Loam	WWII		8/19/2005	Lister	Int1
R18	004	Munitions Debris	1	37mm AP-T, Expended	Projectile	37mm, AP-T	<b>✓</b>	8	N/A	<b>✓</b>	N/A			N/A		Loam	wwii		8/15/2005	Lister	Int1
R18	005	Munitions Debris	2	COE Seed Item H20- 002, 2.36" Rocket	Rocket	2.36", Practice	<b>✓</b>	2	N/A	<b>✓</b>	N/A			N/A		Loam	WWII		8/15/2005	Lister	Int1
R18	006	Munitions Debris	1	37mm AP-T, Expended	Projectile	37mm, AP-T	<b>✓</b>	6	N/A	<b>✓</b>	N/A			N/A		Loam	wwii		8/15/2005	Lister	Int1
R18	007	Non-Munitions Debris	0	Nail, 4" (3 ea)	N/A	N/A	<b>~</b>	1	N/A		N/A			N/A		Loam	N/A		8/15/2005	Lister	Int1
R18	008	Non-Munitions Debris	0	Wire, Barbed numerous pieces	N/A	N/A	<b>✓</b>	0	N/A		N/A			N/A		Loam	N/A		8/15/2005	Lister	Int1
R18	009	Non-Munitions Debris	1	Aluminum Can	N/A	N/A	<b>✓</b>	0	N/A		N/A			N/A		Loam	N/A		8/15/2005	Lister	Int1
R18	010	Non-Munitions Debris	0	Brass (4 ea)	N/A	Brass	<b>✓</b>	1	N/A		N/A			N/A		Loam	N/A		8/15/2005	Lister	Int1

Area	Dig#	Description	Weight lbs.	Comments	Ordnance Type	Specific Item	Within 50CM	Depth inches	Model	Fired	Filler	Case Rusted	Case Intact	Cause	Filler Leak	Soil Type	Era of Use	Limestone	Date	Team Leader	Team
R18	028qc	No Find	0	Nothing Found; (Originally R18-003)	N/A	No Find		0	N/A		N/A			N/A		N/A	N/A		8/19/2005	Bendel	QC
R18	029qc	Non-Munitions Debris	1	Brass (10 ea) and Nails (5 ea); (Originally R18- 007)	N/A	N/A	✓	0	N/A		N/A			N/A		Loam	N/A		8/19/2005	Bendel	QC
S02	001md	Non-Munitions Debris	0	Concrete & Rebar, Near PPR-019	N/A	N/A		0	N/A		N/A			N/A		Loam	N/A		8/12/2005	Lister	Int1
S02	002md	Non-Munitions Debris	0	Concrete & Rebar, Near PPR-019	N/A	N/A		0	N/A		N/A			N/A		Loam	N/A		8/12/2005	Lister	Int1
S02	003md	Non-Munitions Debris	0	Concrete & Rebar, Near PPR-019	N/A	N/A		0	N/A		N/A			N/A		Loam	N/A		8/12/2005	Lister	Int1
S02	004md	Non-Munitions Debris	2	Rebar, Near PPR-019	N/A	N/A		0	N/A		N/A			N/A		Loam	N/A		8/12/2005	Lister	Int1
S03	001md	Non-Munitions Debris	0	Concrete & Rebar	N/A	N/A		0	N/A		N/A			N/A		Loam	N/A		8/12/2005	Lister	Int1
S03	002md	Non-Munitions Debris	0	Concrete & Rebar	N/A	N/A		0	N/A		N/A			N/A		Loam	N/A		8/12/2005	Lister	Int1
S03	003md	Non-Munitions Debris	0	Concrete & Rebar	N/A	N/A		0	N/A		N/A			N/A		Loam	N/A		8/12/2005	Lister	Int1
S03	004md	Non-Munitions Debris	0	Concrete & Rebar	N/A	N/A		0	N/A		N/A			N/A		Loam	N/A		8/12/2005	Lister	Int1
S03	005md	Non-Munitions Debris	0	Concrete & Rebar	N/A	N/A		0	N/A		N/A			N/A		Loam	N/A		8/12/2005	Lister	Int1
S04	001md	Non-Munitions Debris	1	Brass (1 ea)	N/A	Brass		4	N/A		N/A			N/A		Loam	N/A		8/12/2005	Lister	Int1
S04	002md	Non-Munitions Debris	0	Concrete & Rebar	N/A	N/A		0	N/A		N/A			N/A		Loam	N/A		8/12/2005	Lister	Int1
S04	003md	Non-Munitions Debris	0	Concrete & Rebar	N/A	N/A		0	N/A		N/A			N/A		Loam	N/A		8/12/2005	Lister	Int1
SA	001	Munitions Debris	1	37mm AP-T, Expended	Projectile	37mm, AP-T	<b>~</b>	8	N/A	<b>~</b>	N/A			N/A		Loam	wwii		8/15/2005	Lister	Int1
SA	002	Non-Munitions Debris	0	Wire, 6"	N/A	N/A	<b>~</b>	1	N/A		N/A			N/A		Loam	N/A		8/15/2005	Lister	Int1
SA	003	Non-Munitions Debris	0	Wire, 3"	N/A	N/A	<b>~</b>	1	N/A		N/A			N/A		Loam	N/A		8/16/2005	Lister	Int1
SA	004	Non-Munitions Debris	0	Wire, 10"	N/A	N/A	<b>~</b>	1	N/A		N/A			N/A		Loam	N/A		8/12/2005	Lister	Int1
SA	005	No Find	0	Nothing Found	N/A	No Find		0	N/A		N/A			N/A		N/A	N/A		8/15/2005	Lister	Int1
SA	006	Non-Munitions Debris	0	Wire, 3"	N/A	N/A	<b>~</b>	1	N/A		N/A			N/A		Loam	N/A		8/16/2005	Lister	Int1
SA	007	Non-Munitions Debris	0	Wire, 4"	N/A	N/A	<b>~</b>	1	N/A		N/A			N/A		Loam	N/A		8/12/2005	Lister	Int1
SA	008	Munitions Debris	1	37mm AP-T, Expended	Projectile	37mm, AP-T	<b>~</b>	4	N/A	<b>~</b>	N/A			N/A		Loam	wwii		8/15/2005	Lister	Int1
SA	009	Non-Munitions Debris	1	Wire, 12"	N/A	N/A	<b>~</b>	2	N/A		N/A			N/A		Loam	N/A		8/16/2005	Lister	Int1
SA	010	Non-Munitions Debris	1	Wire, 6"	N/A	N/A	<b>~</b>	1	N/A		N/A			N/A		Loam	N/A		8/12/2005	Lister	Int1
SA	011	Non-Munitions Debris	0	Wire, 6"	N/A	N/A	<b>✓</b>	1	N/A		N/A			N/A		Loam	N/A		8/15/2005	Lister	Int1
SA	012	Non-Munitions Debris	0	Brass	N/A	Brass	<b>~</b>	6	N/A		N/A			N/A		Loam	N/A		8/16/2005	Lister	Int1
SA	013	Non-Munitions Debris	0	Wire, 6"	N/A	N/A	<b>✓</b>	2	N/A		N/A			N/A		Loam	N/A		8/12/2005	Lister	Int1
SA	014	Non-Munitions Debris	0	Concrete & Rebar	N/A	N/A	<u></u>	24	N/A		N/A			N/A		Loam	N/A		8/15/2005	Lister	Int1
SA	014qc	Non-Munitions Debris	1	Wire, Reinforcing; (Originally SA-015)	N/A	N/A	<b>V</b>	6	N/A		N/A			N/A		Loam	N/A		8/18/2005	Bendel	QC
SA	015	Non-Munitions Debris	0	Concrete & Rebar	N/A	N/A	<b>~</b>	24	N/A		N/A			N/A		Loam	N/A		8/16/2005	Lister	Int1
SA	015qc	Non-Munitions Debris	1	Pipe, Cast Iron, 4" x 3"	N/A	N/A	<b>✓</b>	0	N/A		N/A			N/A		Loam	N/A		8/18/2005	Bendel	QC
SA	016	Non-Munitions Debris	0	Concrete & Rebar	N/A	N/A	<b>✓</b>	0	N/A		N/A			N/A		Loam	N/A		8/12/2005	Lister	Int1
SA	016qc	Non-Munitions Debris	1	Wire, Reinforcing	N/A	N/A	<b>V</b>	0	N/A	$\overline{\Box}$	N/A	$\overline{\Box}$	$\bar{\Box}$	N/A	$\bar{\Box}$	Loam	N/A	$\overline{\Box}$	8/18/2005	Bendel	QC

Area	Dig#	Description	Weight lbs.	Comments	Ordnance Type	Specific Item	Within 50CM	Depth inches	Model	Fired	Filler	Case Rusted	Case Intact			Soil Type		Limestone	Date	Team Leader	Team
SA	017	Non-Munitions Debris	0	Concrete & Rebar	N/A	N/A	<b>✓</b>	12	N/A		N/A			N/A		Loam	N/A		8/15/2005	Lister	Int1
SA	017qc	Non-Munitions Debris	1	Wire, Reinforcing	N/A	N/A	<b>✓</b>	18	N/A		N/A			N/A		Loam	N/A		8/18/2005	Bendel	QC
SA	018	Non-Munitions Debris	1	Rebar, 6"	N/A	N/A	<b>✓</b>	6	N/A		N/A			N/A		Loam	N/A		8/16/2005	Lister	Int1
SA	018qc	Non-Munitions Debris	1	Wire, Reinforcing	N/A	N/A	<b>✓</b>	0	N/A		N/A			N/A		Loam	N/A		8/18/2005	Bendel	QC
SA	019	Non-Munitions Debris	1	Rebar, 8"	N/A	N/A	<b>✓</b>	6	N/A		N/A			N/A		Loam	N/A		8/12/2005	Lister	Int1
SA	019qc	Non-Munitions Debris	1	Wire, Reinforcing; (Originally SA-047)	N/A	N/A	<b>✓</b>	0	N/A		N/A			N/A		Loam	N/A		8/18/2005	Bendel	QC
SA	020	Non-Munitions Debris	0	Wire, 10"	N/A	N/A	<b>✓</b>	4	N/A		N/A			N/A		Loam	N/A		8/15/2005	Lister	Int1
SA	020qc	Non-Munitions Debris	1	Wire, Reinforcing	N/A	N/A	<b>✓</b>	0	N/A		N/A			N/A		Loam	N/A		8/18/2005	Bendel	QC
SA	021	No Find	0	Nothing Found	N/A	No Find		0	N/A		N/A			N/A		N/A	N/A		8/16/2005	Lister	Int1
SA	021qc	No Find	0	Nothing Found, Coil Bump	N/A	No Find		0	N/A		N/A			N/A		N/A	N/A			Bendel	QC
SA	022	No Find	0	Nothing Found	N/A	No Find		0	N/A		N/A			N/A		N/A	N/A		8/12/2005	Lister	Int1
SA	022qc	Non-Munitions Debris	1	Scrap Steel, 1" x 1"; (Originally SA-071)	N/A	N/A	<b>✓</b>	2	N/A		N/A			N/A		Loam	N/A		8/18/2005	Bendel	QC
SA	023	No Find	0	Nothing Found	N/A	No Find		0	N/A		N/A		Ш	N/A	Ш	N/A	N/A		8/15/2005	Lister	Int1
SA	023qc	Non-Munitions Debris	1	Scrap Steel, 1" x 1"	N/A	N/A	<b>✓</b>	3	N/A		N/A			N/A		Loam	N/A		8/18/2005	Bendel	QC
SA	024	Non-Munitions Debris	0	Concrete & Rebar	N/A	N/A	✓	3	N/A		N/A			N/A		Loam	N/A		8/16/2005	Lister	Int1
SA	024qc	Non-Munitions Debris	1	Wire, Reinforcing; (Originally SA-067)	N/A	N/A	<b>✓</b>	0	N/A		N/A			N/A		Loam	N/A		8/18/2005	Bendel	QC
SA	025	Non-Munitions Debris	2	Rebar, 10"	N/A	N/A	✓	14	N/A		N/A			N/A		Loam	N/A		8/12/2005	Lister	Int1
SA	025qc	Non-Munitions Debris	1	Wire, Reinforcing; (Originally SA-065)	N/A	N/A	<b>✓</b>	0	N/A		N/A			N/A		Loam	N/A		8/18/2005	Bendel	QC
SA	026	Non-Munitions Debris	2	Rebar, 10"	N/A	N/A	<b>✓</b>	10	N/A		N/A			N/A		Loam	N/A		8/15/2005	Lister	Int1
SA	026qc	Non-Munitions Debris	1	Wire, Reinforcing; (Originally SA-149)	N/A	N/A	<b>✓</b>	8	N/A		N/A			N/A		Loam	N/A		8/18/2005	Bendel	QC
SA	027	Non-Munitions Debris	2	Rebar, 14"	N/A	N/A	✓	1	N/A		N/A			N/A		Loam	N/A		8/16/2005	Lister	Int1
SA	027qc	Non-Munitions Debris	0	Hot Soil; (Originally SA-041)	N/A	N/A	<b>✓</b>	0	N/A		N/A			N/A		Loam	N/A		8/18/2005	Bendel	QC
SA	028	Non-Munitions Debris	0	Wire, 12"	N/A	N/A	<b>✓</b>	6	N/A		N/A			N/A		Loam	N/A		8/12/2005	Lister	Int1
SA	029	Non-Munitions Debris	0	Concrete & Wire	N/A	N/A	<b>~</b>	12	N/A		N/A			N/A		Loam	N/A		8/15/2005	Lister	Int1
SA	030	Non-Munitions Debris	0	Concrete & Wire	N/A	N/A	<b>✓</b>	12	N/A		N/A			N/A		Loam	N/A		8/16/2005	Lister	Int1
SA	031	Non-Munitions Debris	0	Concrete & Wire	N/A	N/A	<b>✓</b>	18	N/A		N/A			N/A		Loam	N/A		8/12/2005	Lister	Int1
SA	032	Non-Munitions Debris	0	Concrete & Wire	N/A	N/A	✓	18	N/A		N/A			N/A		Loam	N/A		8/15/2005	Lister	Int1
SA	033	Non-Munitions Debris	0	Concrete & Wire	N/A	N/A	✓	15	N/A		N/A			N/A		Loam	N/A		8/16/2005	Lister	Int1
SA	034	Non-Munitions Debris	0	Concrete & Wire	N/A	N/A	<b>✓</b>	12	N/A		N/A			N/A		Loam	N/A		8/12/2005	Lister	Int1
SA	035	Non-Munitions Debris	0	Concrete & Wire	N/A	N/A	<b>✓</b>	12	N/A		N/A			N/A		Loam	N/A		8/15/2005	Lister	Int1
SA	036	Non-Munitions Debris	0	Concrete & Rebar	N/A	N/A	<b>~</b>	10	N/A		N/A			N/A		Loam	N/A		8/16/2005	Lister	Int1
SA	037	Non-Munitions Debris	0	Concrete & Wire	N/A	N/A	<b>✓</b>	0	N/A		N/A			N/A		Loam	N/A		8/12/2005	Lister	Int1
SA	039	Non-Munitions Debris	0	Concrete & Rebar	N/A	N/A	<b>✓</b>	8	N/A		N/A			N/A		Loam	N/A		8/15/2005	Lister	Int1
SA	040	Non-Munitions Debris	0	Concrete & Wire	N/A	N/A	<b>~</b>	3	N/A		N/A			N/A		Loam	N/A		8/16/2005	Lister	Int1

Area	Dig#	Description	Weight lbs.	Comments	Ordnance Type	Specific Item	Within 50CM	Depth inches	Model	Fired	Filler	Case Rusted	Case	t Cause	Filler Leak	Soil Type		Limestone	Date	Team Leader	Team
SA	041	No Find	0	Nothing Found	N/A	No Find		0	N/A		N/A			N/A		N/A	N/A		8/12/2005	Lister	Int1
SA	042	No Find	0	Nothing Found	N/A	No Find		0	N/A		N/A			N/A		N/A	N/A		8/15/2005	Lister	Int1
SA	043	Non-Munitions Debris	0	Concrete & Wire	N/A	N/A	<b>✓</b>	6	N/A		N/A			N/A		Loam	N/A		8/16/2005	Lister	Int1
SA	044	Non-Munitions Debris	0	Concrete & Wire	N/A	N/A	<b>✓</b>	10	N/A		N/A			N/A		Loam	N/A		8/12/2005	Lister	Int1
SA	045	No Find	0	Nothing Found	N/A	No Find		0	N/A		N/A			N/A		N/A	N/A		8/15/2005	Lister	Int1
SA	046	No Find	0	Nothing Found	N/A	No Find		0	N/A		N/A			N/A		N/A	N/A		8/16/2005	Lister	Int1
SA	047	Non-Munitions Debris	0	Wire, 10"	N/A	N/A	<b>✓</b>	8	N/A		N/A			N/A		Loam	N/A		8/12/2005	Lister	Int1
SA	048	Non-Munitions Debris	0	Concrete & Rebar	N/A	N/A	<b>✓</b>	10	N/A		N/A			N/A		Loam	N/A		8/15/2005	Lister	Int1
SA	049	Non-Munitions Debris	0	Wire, 6"	N/A	N/A	<b>✓</b>	8	N/A		N/A			N/A		Loam	N/A		8/16/2005	Lister	Int1
SA	050	Non-Munitions Debris	0	Concrete & Rebar	N/A	N/A	<b>✓</b>	24	N/A		N/A			N/A		Loam	N/A		8/12/2005	Lister	Int1
SA	051	No Find	0	Nothing Found	N/A	No Find		0	N/A		N/A			N/A		N/A	N/A		8/15/2005	Lister	Int1
SA	052	No Find	0	Nothing Found	N/A	No Find		0	N/A		N/A			N/A		N/A	N/A		8/16/2005	Lister	Int1
SA	053	Non-Munitions Debris	0	Wire, 6"	N/A	N/A	<b>✓</b>	4	N/A		N/A			N/A		Loam	N/A		8/12/2005	Lister	Int1
SA	054	Non-Munitions Debris	0	Concrete & Wire	N/A	N/A	<b>✓</b>	0	N/A		N/A			N/A		Loam	N/A		8/15/2005	Lister	Int1
SA	055	Non-Munitions Debris	0	Brass	N/A	Brass	<b>✓</b>	3	N/A		N/A			N/A		Loam	N/A		8/16/2005	Lister	Int1
SA	056	No Find	0	Nothing Found	N/A	No Find		0	N/A		N/A			N/A		N/A	N/A		8/12/2005	Lister	Int1
SA	057	Non-Munitions Debris	0	Out of Work Area	N/A	Out of Area		0	N/A		N/A			N/A		Loam	N/A		8/15/2005	Lister	Int1
SA	058	Non-Munitions Debris	0	Out of Work Area	N/A	Out of Area		0	N/A		N/A			N/A		Loam	N/A		8/16/2005	Lister	Int1
SA	059	Non-Munitions Debris	0	Concrete & Rebar	N/A	N/A	<b>✓</b>	0	N/A		N/A			N/A		Loam	N/A		8/12/2005	Lister	Int1
SA	060	Non-Munitions Debris	0	Brass (2 ea)	N/A	Brass	<b>✓</b>	2	N/A		N/A			N/A		Loam	N/A		8/15/2005	Lister	Int1
SA	061	Non-Munitions Debris	0	Wire, 16"	N/A	N/A	<b>✓</b>	4	N/A		N/A			N/A		Loam	N/A		8/16/2005	Lister	Int1
SA	063	Munitions Debris	1	37mm AP-T, Expended	Projectile	37mm, AP-T	<b>✓</b>	8	N/A	<b>✓</b>	N/A			N/A		Loam	WWII		8/11/2005	Lister	Int1
SA	064	Non-Munitions Debris	1	Ammo Clip	N/A	N/A	<b>✓</b>	6	N/A		N/A			N/A		Loam	N/A		8/15/2005	Lister	Int1
SA	065	Non-Munitions Debris	0	Concrete & Rebar	N/A	N/A	<b>✓</b>	8	N/A		N/A			N/A		Loam	N/A		8/16/2005	Lister	Int1
SA	066	Non-Munitions Debris	1	Hot Soil	N/A	N/A	<b>✓</b>	0	N/A		N/A			N/A		Loam	N/A		8/12/2005	Lister	Int1
SA	067	Non-Munitions Debris	0	Concrete & Rebar	N/A	N/A	<b>✓</b>	0	N/A		N/A			N/A		Loam	N/A		8/15/2005	Lister	Int1
SA	068	Non-Munitions Debris	0	Concrete & Wire	N/A	N/A	<b>✓</b>	12	N/A		N/A			N/A		Loam	N/A		8/16/2005	Lister	Int1
SA	069	Non-Munitions Debris	0	Wire, 6"	N/A	N/A	<b>✓</b>	8	N/A		N/A			N/A		Loam	N/A		8/12/2005	Lister	Int1
SA	070	Non-Munitions Debris	0	Concrete & Wire	N/A	N/A	<b>✓</b>	12	N/A		N/A			N/A		Loam	N/A		8/15/2005	Lister	Int1
SA	071	Munitions Debris	1	Rifle Grenade, Expended	Projectile	Rifle Grenade	<b>✓</b>	8	N/A	<b>✓</b>	N/A			N/A		Loam	wwii		8/16/2005	Lister	Int1
SA	072	No Find	0	Nothing Found	N/A	No Find		0	N/A		N/A			N/A		N/A	N/A		8/12/2005	Lister	Int1
SA	073	Non-Munitions Debris	1	Rebar, 6"	N/A	N/A	<b>✓</b>	6	N/A		N/A			N/A		Loam	N/A		8/15/2005	Lister	Int1
SA	074	No Find	0	Nothing Found	N/A	No Find		0	N/A		N/A			N/A		N/A	N/A		8/16/2005	Lister	Int1
SA	075	No Find	0	Nothing Found	N/A	No Find		0	N/A		N/A			N/A		N/A	N/A		8/12/2005	Lister	Int1
SA	076	Non-Munitions Debris	0	Wire, 2"	N/A	N/A	<b>✓</b>	1	N/A		N/A			N/A		Loam	N/A		8/15/2005	Lister	Int1
SA	077	Non-Munitions Debris	1	Wire, 6"	N/A	N/A	<b>~</b>	4	N/A		N/A			N/A		Loam	N/A		8/16/2005	Lister	Int1

Area	Dig#	Description	Weight lbs.	Comments	Ordnance Type	Specific Item	Within 50CM	Depth inches	Model	Fired	Filler	Case Rusted	Case Intact	Cause	Filler Leak	Soil Type	Era of Use	Limestone	Date	Team Leader	Team
SA	078	Non-Munitions Debris	0	Concrete & Rebar	N/A	N/A	<b>✓</b>	0	N/A		N/A			N/A		Loam	N/A		8/12/2005	Lister	Int1
SA	079	No Find	0	Nothing Found	N/A	No Find		0	N/A		N/A			N/A		N/A	N/A		8/15/2005	Lister	Int1
SA	080	No Find	0	Nothing Found	N/A	No Find		0	N/A		N/A			N/A		N/A	N/A		8/16/2005	Lister	Int1
SA	081	No Find	0	Nothing Found	N/A	No Find		0	N/A		N/A			N/A		N/A	N/A		8/12/2005	Lister	Int1
SA	082	No Find	0	Nothing Found	N/A	No Find		0	N/A		N/A			N/A		N/A	N/A		8/15/2005	Lister	Int1
SA	083	Non-Munitions Debris	0	Concrete & Rebar	N/A	N/A	<b>✓</b>	12	N/A		N/A			N/A		Loam	N/A		8/16/2005	Lister	Int1
SA	084	Non-Munitions Debris	0	Concrete & Wire	N/A	N/A	<b>✓</b>	0	N/A		N/A			N/A		Loam	N/A		8/12/2005	Lister	Int1
SA	085	Non-Munitions Debris	0	Wire, 10"	N/A	N/A	<b>✓</b>	6	N/A		N/A			N/A		Loam	N/A		8/15/2005	Lister	Int1
SA	086	Non-Munitions Debris	0	Wire, 18"	N/A	N/A	<b>✓</b>	10	N/A		N/A			N/A		Loam	N/A		8/16/2005	Lister	Int1
SA	087	No Find	0	Nothing Found	N/A	No Find		0	N/A		N/A			N/A		N/A	N/A		8/12/2005	Lister	Int1
SA	098	No Find	0	Nothing Found	N/A	No Find		0	N/A		N/A			N/A		N/A	N/A		8/15/2005	Lister	Int1
SA	114	No Find	0	Nothing Found	N/A	No Find		0	N/A		N/A			N/A		N/A	N/A		8/16/2005	Lister	Int1
SA	121	No Find	0	Nothing Found	N/A	No Find		0	N/A		N/A			N/A		N/A	N/A		8/12/2005	Lister	Int1
SA	122	No Find	0	Nothing Found	N/A	No Find		0	N/A		N/A			N/A		N/A	N/A		8/15/2005	Lister	Int1
SA	123	Non-Munitions Debris	0	Nail, 4"	N/A	N/A	<b>✓</b>	6	N/A		N/A			N/A		Loam	N/A		8/16/2005	Lister	Int1
SA	125	Non-Munitions Debris	0	Out of Work Area	N/A	Out of Area		0	N/A		N/A			N/A		Loam	N/A		8/12/2005	Lister	Int1
SA	126	No Find	0	Nothing Found	N/A	No Find		0	N/A		N/A			N/A		N/A	N/A		8/15/2005	Lister	Int1
SA	135	No Find	0	Nothing Found	N/A	No Find		0	N/A		N/A			N/A		N/A	N/A		8/16/2005	Lister	Int1
SA	136	No Find	0	Nothing Found	N/A	No Find		0	N/A		N/A			N/A		N/A	N/A		8/12/2005	Lister	Int1
SA2	139	No Find	0	Nothing Found	N/A	No Find		0	N/A		N/A			N/A		N/A	N/A		8/15/2005	Lister	Int1
SA2	140	Non-Munitions Debris	0	Concrete & Rebar	N/A	N/A	<b>~</b>	0	N/A		N/A			N/A		Loam	N/A		8/16/2005	Lister	Int1
SA2	141	Non-Munitions Debris	0	Concrete & Rebar	N/A	N/A	<b>✓</b>	0	N/A		N/A			N/A		Loam	N/A		8/12/2005	Lister	Int1
SA2	142	Non-Munitions Debris	0	Concrete & Rebar, Same as SA2-203, 204	N/A	N/A	<b>✓</b>	0	N/A		N/A			N/A		Loam	N/A		8/15/2005	Lister	Int1
SA2	143	Non-Munitions Debris	0	Concrete & Rebar, Same as SA2-205, 206	N/A	N/A	<b>✓</b>	0	N/A		N/A			N/A		Loam	N/A		8/16/2005	Lister	Int1
SA2	146	Non-Munitions Debris	2	Rebar, 13"	N/A	N/A	<b>✓</b>	1	N/A		N/A			N/A		Loam	N/A		8/12/2005	Lister	Int1
SA2	150	No Find	0	Nothing Found	N/A	No Find		0	N/A		N/A			N/A		N/A	N/A		8/15/2005	Lister	Int1
SA2	151	Non-Munitions Debris	0	Concrete & Wire	N/A	N/A	<b>✓</b>	3	N/A		N/A			N/A		Loam	N/A		8/16/2005	Lister	Int1
SA2	152	Non-Munitions Debris	0	Concrete & Wire	N/A	N/A	<b>✓</b>	3	N/A		N/A			N/A		Loam	N/A		8/12/2005	Lister	Int1
SA2	153	Non-Munitions Debris	0	Concrete & Wire	N/A	N/A	<b>✓</b>	0	N/A		N/A			N/A		Loam	N/A		8/15/2005	Lister	Int1
SA2	154	Non-Munitions Debris	1	Scrap Steel, 10" x 6", Same as SA2-155	N/A	N/A	<b>✓</b>	2	N/A		N/A			N/A		Loam	N/A		8/16/2005	Lister	Int1
SA2	155	Non-Munitions Debris	0	Scrap Steel, 10" x 6", Same as SA2-154	N/A	N/A	<b>✓</b>	0	N/A		N/A			N/A		Loam	N/A		8/12/2005	Lister	Int1
SA2	156	Non-Munitions Debris	0	Wire, 4", Same as SA2- 157	N/A	N/A	<b>✓</b>	0	N/A		N/A			N/A		Loam	N/A		8/15/2005	Lister	Int1
SA2	157	Non-Munitions Debris	1	Wire, 4", Same as SA2- 156	N/A	N/A	<b>✓</b>	1	N/A		N/A			N/A		Loam	N/A		8/16/2005	Lister	Int1
SA2	158	Non-Munitions Debris	1	Rebar, Corner	N/A	N/A	<b>✓</b>	0	N/A		N/A			N/A		Loam	N/A		8/12/2005	Lister	Int1

Area	Dig#	Description	Weight lbs.	Comments	Ordnance Type	Specific Item	Within 50CM	Depth inches	Model	Fired	Filler	Case Rusted	Case Intact	Cause		Soil Type		Limestone	Date	Team Leader	Team
SA2	159	Non-Munitions Debris	1	Scrap Steel, 4" x 1.5"	N/A	N/A	<b>~</b>	0	N/A		N/A			N/A		Loam	N/A		8/15/2005	Lister	Int1
SA2	161	Non-Munitions Debris	0	Scrap Steel, 4" x 4"	N/A	N/A	<b>~</b>	6	N/A		N/A			N/A		Loam	N/A		8/16/2005	Lister	Int1
SA2	162	No Find	0	Nothing Found	N/A	No Find		0	N/A		N/A			N/A		N/A	N/A		8/12/2005	Lister	Int1
SA2	163	No Find	0	Nothing Found	N/A	No Find		0	N/A		N/A			N/A		N/A	N/A		8/15/2005	Lister	Int1
SA2	181	Non-Munitions Debris	0	Scrap Steel, 2" x 1"	N/A	N/A	<b>~</b>	1	N/A		N/A			N/A		Loam	N/A		8/16/2005	Lister	Int1
SA2	194	No Find	0	Nothing Found	N/A	No Find		0	N/A		N/A			N/A		N/A	N/A		8/12/2005	Lister	Int1
SA2	200	No Find	0	Nothing Found	N/A	No Find		0	N/A		N/A			N/A		N/A	N/A		8/15/2005	Lister	Int1
SA2	201	No Find	0	Nothing Found	N/A	No Find		0	N/A		N/A			N/A		N/A	N/A		8/16/2005	Lister	Int1
SA2	202	Non-Munitions Debris	0	Wire, 3"	N/A	N/A	<b>✓</b>	1	N/A		N/A			N/A		Loam	N/A		8/12/2005	Lister	Int1
SA2	203	Non-Munitions Debris	0	Concrete & Rebar, Same as SA2-204, 142	N/A	N/A	<b>✓</b>	0	N/A		N/A			N/A		Loam	N/A		8/15/2005	Lister	Int1
SA2	204	Non-Munitions Debris	0	Concrete & Rebar, Same as SA2-203, 142	N/A	N/A	<b>✓</b>	0	N/A		N/A			N/A		Loam	N/A		8/16/2005	Lister	Int1
SA2	205	Non-Munitions Debris	0	Concrete & Rebar, Same as SA2-143, 206	N/A	N/A	<b>✓</b>	0	N/A		N/A			N/A		Loam	N/A		8/12/2005	Lister	Int1
SA2	206	Non-Munitions Debris	0	Concrete & Rebar, Same as SA2-143, 205	N/A	N/A	<b>✓</b>	0	N/A		N/A			N/A		Loam	N/A		8/15/2005	Lister	Int1
SA2	207	No Find	0	Nothing Found	N/A	No Find		0	N/A		N/A	Ш	Ш	N/A	Ш	N/A	N/A		8/16/2005	Lister	Int1
SA2	212	No Find	0	Nothing Found	N/A	No Find		0	N/A		N/A			N/A		N/A	N/A		8/12/2005	Lister	Int1
SA2	215	No Find	0	Nothing Found	N/A	No Find		0	N/A		N/A			N/A		N/A	N/A		8/15/2005	Lister	Int1
SA2	237	Non-Munitions Debris	4	Pipe, Cast Iron, 4" x 3"	N/A	N/A	<b>✓</b>	0	N/A		N/A			N/A		Loam	N/A		8/16/2005	Lister	Int1
SA2	238	Non-Munitions Debris	0	Brass (2 ea)	N/A	Brass	<b>✓</b>	1	N/A		N/A			N/A		Loam	N/A		8/12/2005	Lister	Int1
SA2	240	No Find	0	Nothing Found	N/A	No Find		0	N/A		N/A			N/A		N/A	N/A		8/15/2005	Lister	Int1
SA2	241	No Find	0	Nothing Found	N/A	No Find		0	N/A		N/A			N/A		N/A	N/A		8/16/2005	Lister	Int1
SA2	250	No Find	0	Nothing Found	N/A	No Find		0	N/A		N/A			N/A		N/A	N/A		8/12/2005	Lister	Int1
SA2	253	No Find	0	Nothing Found	N/A	No Find		0	N/A		N/A			N/A		N/A	N/A		8/15/2005	Lister	Int1
SA2	257	No Find	0	Nothing Found	N/A	No Find		0	N/A		N/A			N/A		N/A	N/A		8/16/2005	Lister	Int1
SA2	261	No Find	0	Nothing Found	N/A	No Find		0	N/A		N/A			N/A		N/A	N/A		8/12/2005	Lister	Int1
SA2	268	No Find	0	Nothing Found	N/A	No Find		0	N/A		N/A			N/A		N/A	N/A		8/15/2005	Lister	Int1
SA2	292	Non-Munitions Debris	1	Scrap Steel, 2" x 6"	N/A	N/A	<b>~</b>	0	N/A		N/A			N/A		Loam	N/A		8/16/2005	Lister	Int1
SA2	293	No Find	0	Nothing Found	N/A	No Find		0	N/A		N/A			N/A		N/A	N/A		8/12/2005	Lister	Int1

C-1.12



DACA87-99-D-0010

# **Appendix C-2**

**Team Logbooks** 



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	T	3.7 1	M 1 40	M 1 #2	C
4/27/2005	Team	Member #1	Member #2	Member #3	Comments
4/2//2005	Survey Escort	Jeff Schmale  Team L	Jason O'Clair	N/A	0700 Skipper Engineering arrives, signs in and receives safety brief 0730 Arrive in area to be surveyed and look for points to shoot from 0800 Wait for Skipper office personnel to call their field guys back with monument coordinates 0900 Receive coordinates and shoot from a monument down at the Iron Mountain/Summerall Gate Rd Interesection all the way up to the first culvert 1000 Break 1005 Off break 1130 Lunch 1200 Return from Lunch 1400 Break 1415 Off break 1515 Finished for the day 1530 Back at the compound with Skipper. NOTE: Completed northern-most culvert, R18
4/28/2005	Team Survey Escort	Member #1 Jeff Schmale  Team L	Member #2 Jason O'Clair  Leader Lea	Member #3 N/A	Comments  0700 Skipper Engineering arrives, signs in and receives safety brief  0730 Arrive in area to be surveyed  0900 Break  0915 Off Break  1030 Have had to relocate 3 stakes due to terrain being to steep to access or they were in the roadway. See Skipper field logbook  1130 Lunch. NOTE: Just have to finish the biggest construction debris area  1400 Survey complete  1415 Skipper returns to Gadsden and I return to compound
5/12/2005	Team	Member #1	Member #2	Member #3	Comments
5/12/2005	Crane Escort	Reeves Team L	Perry Thrasher	N/A	0730 Model City Erection arrives to transport armored control booth to bypass construction debris area 0830 Booth and its components are loaded and travelling to bypass area 0850 Begin booth setup 1100 Leak goes to "Marvin's" Home Improvement to pick up nuts and bolts for booth assembly 1200 Lunch 1230 Return from lunch 1500 Booth is assembled 1530 End of Day
5/20/2005	Team	Member #1	Member #2	Member #3	Comments
_,	Equipment Escort	N/A	N/A  N/A  Leader Lea	N/A	0830 Escort Thompson tractor out to bypass area to drop off CAT 325, Excavator 1000 Excavator delivered but needs fire extinguisher. Driver said he'd return about 1200 1300 Thompson tractor delivers CAT 350, Articulating Dump Truck 1400 Thompson tractor returns to their office 1405 End of Log

paperwork and time sheet. 1630-Ops complete, all secure.

Member #1 Member #2 Team Member #3 **Comments** 6/21/2005 Int1 N/A N/AN/A 0600-Morning safety meeting, truck checkout and load. 0620-Depart compound for the EBP. 0630-Arrive EBP, north UXO closed signs positioned. 0645-Robert using bulldozer to clean up excavation area. 0700-Start intrusive work with excavator. **Team Leader** Lister 0905-Break. 0915-SSO on site, resuming intrusive work. 1130-Stopped intrusive ops to go down range. It appears that Robert has started to uncover native soil in the area of grids D15/22. 1145-Resume work with excavator. 1200-Lunch, Bo in area to fuel the excavator. 1235-Resuming intrusive work. Dump truck still not operational. 1415-Break. 1430-Resume intrusive work. 1515-Dump truck repaired and back on site. 1600-Stopped for the day, changed north blue lock. 1610-Departed the EBP with the porta-john. 1620-Arrived compound, porta john dropped off at compound parking lot. Completed

6/21/2005 Team Member #1 Member #2 Member #3
Int1 Anthony Robert Bo Reeves
Jioner Mangrum

Team Leader

Lister

#### Comments

0600-Morning safety meeting, truck checkout and load. The southern road closed signs had been moved approximately 80 feet over the week-end. The barricades have been repositioned and the locks have been changed. Equipment is now being inspected. 0715-Starting intrusive ops in the area of grids D07/14.

0730-Hearing thunder, turned on the lightning detector. Detector showing lightning in the area, 3-8 miles. Called Robert and Bo to take cover in the pickups and informed COE and SSO. We are alao out of the booth and in a truck

0810-Rain falling and detector indicating lightning within 8-20 miles.

0840-No lightning showing on detector and rain has stopped.

0850-SSO and Robert looked things over and decided to not use the dump but just use the excavator to dig and stage soil in hopes of clearing weather.

0858-Bo Reeves has departed and we are back to intrusive ops.

1115-Water break.

1125-Resuming intrusive ops, SSO has departed EBP.

1200-Lunch, Bo Reeves on site to fuel equipment and operate dump truck after lunch.

1230-SUXOS on site to look at progress. 1240-COE and SUXOS have departed,

resuming intrusive ops.

1320-COE back on site.

1405-Water; pee break.

1420-Resuming intrusive ops.

1530-Lightning detected at 20-40.

1550-Lightning detected at 8-20. Shutting down for the day.

1610-Locks changed, depart EBP.

1620-Arrived compound, offload gear.

1630-Ops complete, all secure.

6/22/2005

Team Int1

Member #1 Anthony Joiner

**Team Leader** 

Member #2 Robert Mangrum

Lister

Member #3 Bo Reeves

Comments

0600-Morning safety meeting, truck checkout and load.

0615-Depart compound for the EBP. 0625-North Iron Mountain UXO lock in place. Informed by SUXOS that we will not be placing a blue lock on the south gate. After talking with the COE rep, it was agreed that because of the road closed signs and barricades, the south lock would not be needed. 0635-Art on site looking things over. 0642-Art and SSO have departed the EBP. Robert using the bulldozer to clean up the excavation site.

0656-Starting intrusive ops.

0915-Stopped for morning break. While exiting the dump truck a fluid leak was noticed. The dump truck is being taken outside the EZ to be looked at by maintenance people. Absorbent material is being obtained and will be placed on the small puddle which leaked from the truck. The amount appears to be less than a pint.

1000-Fluid cleaned up and Robert using bulldozer to clean up excavation site. 1025-Resuming intrusive work with excavator. 1145-Lunch.

1215-Resume intrusive work, dump truck still inop, using excavator to move dirt.

1315-Dump truck being moved to a location that will allow the mechanic to work without being escorted.

1325-IT28 on site and being used to move dirt being dug by the excavator.

1345-Bo reported that the brakes are not working on the IT28 and that while he was backing, he had to drop the bucket to get it to stop. Told him to stay where he is and called the SUXOS.

1415-Break. After Being looked at by SSO and Robert it was determined that the brake fluid was low on the IT28, Bo is going back to the compound to get more brake fluid. 1450-SSO and Bo have returned with fluid. Stopped operation so fluid can be loaded. 1510-Additional tools will be required to repair the IT28, SSO and Bo returning to the compound to get same. Excavator intrusive. 1535-Stopped intrusive, Caterpillar maintenance man coming to look at the IT28. 1605-Caterpillar maintenance man working on IT28, being escorted by SSO. Booth locked and departing EBP.

1615-Arrived compound, offloaded gear. 1630-Ops complete, all secure.



Complete paperwork. 1630-Ops complete, all secure.

Member #1 Member #2 Team Member #3 **Comments** 6/24/2005 Int1 N/A N/AN/A 0600-Morning safety meeting, truck checkout and load. 0625-Depart compound for the EBP. 0640-Arrived EBP, blue locks and barricades in place as well as road closed signs. Excavator and bull dozer being used to clean up excavation area spoils. 0710-Start intrusive work with excavator and **Team Leader** Lister dump truck. 0915-Gave 15 min. heads up to SUXOS for our break to allow him to bring out Todd Biggs to look at the progress. 0930-Morning break. SUXOS on site to look at progress. 0945-Resume intrusive work. 1130-Lunch, bulldozer being taken outside the EZ. 1215-Resume intrusive work. 1400-Break, Todd and Cecil coming in to look at the excavation site. 1420-Resuming intrusive work. 1545-Stopped work for the day, maintenance performed on equipment. 1600-Depart EBP for the compound. 1610-Arrived compound, offload gear.

6/27/2005 Team Member #1 Member #2 Member #3
Int1 Anthony Robert Bo Reeves
Joiner Mangrum

Team Leader

Lister

#### Comments

0600-Morning safety meeting, truck checkout and load.

0620-Departed compound for the EBP. 0635-Arrived EBP, UXO lock placed on the north Iron Mountain gate. Equipment being inspected.

0645-Sky beginning to darken, lightning detector indicating lightning at 20-40 miles. Will continue to monitor. Informed SUXOS of same.

0715-Lightning detector indicating lightning at 8-20 miles, shut down equipment and clearing the booth.

0745-Lightning detector showing 20-40 miles, going back to work.

0750-Shut down to allow Bo to depart the area to get a bolt from the tool room.

0755-Resume intrusive work.

0825-Bo has returned with the part, shutting down to install same.

0835-Part installed, resuming intrusive work. 0940-Break. Photos being taken of excavation area.

1010-Resume intrusive ops.

1037-Called by Anthony and told that he is with the truck driver who has come to pick up the bulldozer. It is outside the EZ.

1200-Stopped for lunch.

1220-SUXOS on site to check progress.

1240-Resuming intrusive ops.

1500-SSO taking Bo to get the IT28 and move dirt while Robert stages dirt.

1515-Not able to see excavator from the booth. Moving to dump truck to observe excavator. SSO in the booth.

1600-Stop for the day.

1610-Depart EBP, blue lock removed from north gate.

1620-All personnel clear of the EBP. In compound, offload gear and complete paperwork.

1630-Ops complete, all secure.



Team 6/28/2005 Int1

Member #1 Anthony Joiner

**Team Leader** 

Member #2 Robert Mangrum

Lister

Bo Reeves

Member #3

Comments

0600-Morning safety meeting, truck checkout and load.

0630-Depart compound for the EBP.

0645-Arrived booth, north blue lock in place and barricades in place. Equipment being inspected.

0708-Robert is starting to move spoils to allow for more room at the excavation site.

0740-Starting intrusive work.

0905-Break, down range taking photos.

SUXOS and COE also down range.

0930-Resume work in grids D22/23. Cecil also in booth.

1100-Called by Robert and asked to look at an item he loaded into the dump truck. He was not sure if it was ordnance related or not.

Bo has positioned the dump near the booth and digging has stopped.

1105-I climbed into the truck and found an 18" section of cast iron pipe.

1110-Returned to the booth, Cecil and COE rep departed and continuing ops.

1143-Clouds moving in, lightning detector showing 20-40 miles.

1200-Lightning detector showing no lightning in the area, but, thunder can be heard. Told Bo and Robert to take cover in the pickup and the booth is being vacated. Lunch time.

1220-Rain falling heavily, All personnel departing the EBP.

1245-Back in the EBP with SUXOS and looking over the dig site. Lightning still at 8-20 miles.

1300-Lightning at 3-8 miles.

1320-Lightning at 3-8 miles.

1340-SUXOS called it a day due to the weather and all personnel are sighning out at

1400-All personnel are clear of the EBP, ops complete, all secure.



6/29/2005 Int1 Anthony Robert Bo Reeves
Joiner Mangrum

Member #1

Team

Team Leader

Lister

Member #3

Member #2

#### Comments

0600-Morning safety meeting, truck checkout and load.

0615-Depart compound for the EBP.

0625-Arrived EBP, blue lock and barricades in place. Equipment being inspected.

0645-Art and SSO on site to look at excavation area.

0657-All personnel under cover, Art in the booth and intrusive operations have begun.

0740-Art has departed the booth.

0935-Break, down range and taking photos. Having a slight radio problem. Losing comm with certain radios and having to turn them off and then on again to get them to work.

Problem has happened a couple of times this morning. If needed, we have the small walkie-talkies to use.

0955-Resume intrusive operations.

1010-SUXOS escorting one ADEM person to the booth. Radio problems intermittent, will use personal radios if required.

1025-Resume intrusive ops. ADEM person in the booth.

1200-Lunch,took ADEM person down range to see dig site and then escorted him to the UXO gate. He was going to the office and talk to someone about having some photos of the excavation site e-mailed to him.

1230-Resuming intrusive ops.

1430-Break, radio problems have come back. Issued walkie-talkies to all personnel.

1445-Resumed intrusive ops. I am positioned on the lower road so I can see both pieces of equipment.

1600-Stopped for the day.

1610-Departing EBP. Lock changed.

1620-Arrived compound, offloaded gear, completed paperwork.

1630-Ops complete, all secure.

1605-Connected to the porta-john and

1630-Ops complete, all secure.

1615-Lock changed and all personnel have

departing the EBP.

cleared the EBP.

Team Member #1 Member #2 Member #3 Comments 6/30/2005 Int1 Anthony Robert Bo Reeves 0600-Morning safety meeting, truck checkout Mangrum and load. Joiner 0630-Depart compound for the EBP. 0640-Arrived EBP, blue lock/barricades in place. Equipment being inspected. 0650-Inspected a large area that has been excavated and marked several spots that were hot with paint. **Team Leader** Lister 0710-Robert is moving spoils and Bo is using the IT28 to do the same. 0823-The IT28 just blew the right rear tire. The vehicle is sitting partially in Iron Mountain but will not interfere with operations. SUXOS returning to the office and will call a repair service. 0845-Resuming the moving of spoils. 0945-Morning break. 0955-Starting intrusive operations. 1200-Lunch. 1230-Resuming intrusive ops. Robert has taken the excavator to the lower side of the excavation site and is working from the bottom side of grid D23. 1400-Stopped intrusive work, Robert is clearing an area through the trees to be used later by the dump truck. 1430- Break 1450-Resume intrusive work. 1520-Clouds moving in and wind picking up, turned on the lightning detector. 1550-Rain falling heavy, Robert is bringing the excavator off of the slope. Radios are not working and we are shutting down ops.

Fort McClellan, Alabama Team Member #1 Member #2 Member #3 Comments 7/1/2005 Int1 Anthony Robert Bo Reeves 0600-Morning safety meeting, truck checkout Mangrum Joiner and load. 0625-Departed compound for the EBP. 1435-Lightning detector showing 3-8 miles. Robert has taken shelter in his pickup. 0640-Arrived EBP, blue lock and barricades in place. Equipment being inspected. 0700-Robert is moving the IT28 outside the EZ **Team Leader** Lister to allow the maintenance person to work on it beginning at 0800. 0710-Weekly maintenace being performed on equipment by Robert and Bo. 0735-Starting intrusive ops in grids D22/23. 0935-Morning break, down range takIng photos. 0953-Resume intrusive work. 0955-Maintenance man arrived to fix the flat tire on the IT28. 1140-Clouds moving in and rain starting to fall. Lightning detector showing 20-40 miles. Robert moving excavator off of the hill because of a possible traction problem from the 1150-Lunch. 1210-Lightni 8-20 miles. 1220-No lightning detected. 1225-Lightning 8-20 miles, clearing the booth. Positioned near the excavation site with lightning detector operating. Still showing 20-40 miles. 1255-No lightning detected for 30 minutes. Returning to work. Robert is cleaning up the spoils area to give Bo a better location to dump. 1303-Lightning once again at 20-40 miles and light rain falling. 1425-Break. 1435-Resume work. 1445-Lightning 8-20 miles, Robert told to exit excavator and take shelter in pivkup. 1500-Lightning 0-3 miles, confirmed with COE lightning detector. 1505-Returning to compound, all personnel

clear of the EBP. Lock changed and rain

1520-Arrived compound, off load gear. Completed paperwork.
1530-Doing maintenance on the equipment and cleaning.
1630-Ops complete, all secure.

falling heavy.

7/6/2005	Team	Member #1	Member #2	Member #3	Comments
7/0/2003	Int1	Anthony Robert Joiner Mangrum  Team Leader Lis		Bo Reeves	0600-Morning safety meeting, truck checkout and load. 0625-Depart compound for the EBP. 0640-Arrived EBP, looked over area with Robert and determined that the area is too wet to use the dump truck, but, he can use the excavator at the top of the dig site for a few hours or until the rain gets worse. 0650-Starting work. 0730-Called by Robert and told that the soil was too wet to work and was stopping for the day. Lightning moving into the area and rain falling heavily. Informed SUXOS and COE rep of same. 0740-Took some photos and departing EBP.
					0750-All personnel clear of the EBP and lock changed. 0800-Arrived compound, offload gear, complete paperwork.
7/7/2005	Team	Member #1	Member #2	Member #3	Comments
	Intl	Robert Mangrum  Team L	Bo Reeves	Anthony Joiner	o600-Morning safety meeting, truck checkout and load. o625-Depart compound for EBP. o635-Arrived EBP,lock changed and barricades in place. equipment being inspected and fueled. We will be starting in the area designated Culvert 1. This is due to the heavy rain of the past few days. The area containing grids D22/23 is too wet and slippery to be safely worked. o705-Start intrusive work. o905-Break, taking photos and locating/marking southeast and northeast stakes for Culvert 1. o925-Resume intrusive ops. 1020-Stopped to make minor repair on excavator. A pin has started to back out on the thumb. 1035-Resume work. 1205-Lunch. 1230-Robert is replacing the bolt put in earlier with a better bolt. 1240-Taking excavator to the lower road to work if the terrain is not too slippery. 1255-Starting excavation at northeast section of Culvert 1. 1335-Stopped work to allow SSO to enter the booth. 1340-Resume work. 1430-Break, taking photos. 1445-Resume work. 1600-Stopped for the day, changing lock. 1610-All personnel clear of the EBP. 1615-Arrived compound, offloaded gear and complete paperwork. 1630-Ops complete, all secure.

excavator. Took some photos.
1600-Departed EBP, blue lock has been changed. All personnel have cleared the EBP.
1610-Arrived compound, completed

1630-Ops complete, all secure.

paperwork.

Team Member #1 Member #2 Member #3 Comments 7/8/2005 Bo Reeves Int1 Robert Anthony Joiner 0600-Morning safety meeting, truck checkout Mangrum and load. 0620-Depart compound for the EBP. 0635-Arrived EBP, equipment is being inspected and maintenance being performed. Lock changed and barricades in place. 0715-Starting intrusive work at Culvert 1. 0810-Stopped work to allow the tire repair Team Leader Lister person to enter the EZ and fix the IT28. 0850-Tire person has departed and resuming intrusive ops. 0910-Robert has completed all he can on the northeast section of Culvert 1 and is bringing the excavator to the top side. SSO in the booth also. 1000-Breaktaking photos. 1020-Resume operations, spoils are being moved from the edge of the Culvert 1 dig. 1200-Lunch. SSO has departed. 1230-Resuming intrusive ops in Culvert 1. SUXOS in the booth. 1345-Break, SUXOS departs, I am taking 1400-Resume intrusive work. 1545-Stopped for the day and greasing

Team Member #1 Member #2 Member #3 Comments 7/11/2005 Int1 Robert Bo Reeves Anthony Joiner 0600-Morning safety meeting, truck checkout and load. Mangrum 0625-Departed compound for the EBP. 0640-Arrived EBP, Iron Mountain road in good shape. UXO lock in place, had to repositon road closed signs that were blown over by hurricane Dennis. Equipment being inspected. **Team Leader** Lister 0700-Start work. Removing spoils at Culvert 1 so it can be sloped to allow personnel to enter it and map when the time comes. 0900-Morning break. Taking photos, SUXOS on site. 0920-Resume intrusive work on Culvert 1. 0950-Dump truck is being parked until after lunch. Bo will be departing the site to purchase more silt fence. 1045-Stopped for a water break. 1055-Resume work. 1200-Lunch. Completed all that can be done on Culvert 1 because the soil is wet and steep. After lunch we will start the Spring Box. 1230-Starting intrusive work at the Spring Box location. Dump truck also being used. 1400-Break. 1415-Resuming work in the Spring Box. Dump truck not being used, Bo returning to office to do logistics work. 1445-Break, taking photos. 1455-Resume work in the Spring Box area. 1600-Stopped for the day, fueling excavator. 1610-Departing EBP, blue lock removed and all personnel clear of the EBP. 1620-Arrived compound, offload gear, complete paperwork. 1630-Ops completeall secure. Team Member #1 Member #2 Member #3 Comments 7/12/2005 Int1 Robert Bo Reeves Anthony Joiner 0600-Morning safety meeting, truck checkout Mangrum 0620-Depart compound for the EBP. 0630-Arrived EBP, lock changed and barricades in place. Todd Biggs on site to look at progress. Spring Box area has been completed and Culvert 1 is too wet to work so Robert is going back to D22/23 to resume **Team Leader** Lister work. 0700-Start intrusive work. SUXOS in the booth also. 0900-Break 0920-Resume intrusive ops 1105-Stopped to take lunch. SSO in the booth. 1130-Resuming intrusive work. Lister departing and Bill Bendel will be in the

booth.No further entries.

Team Member #1 Member #2 7/13/2005 Int1 Robert Mangrum

Bo Reeves Anthony Joiner

Member #3

**Team Leader** Lister Comments

0600-Morning safety meeting, truck checkout and load.

0625-Depart compound for the EBP. 0635-Arrived EBP, UXO lock in place as well as barricades. Equipment being inspected and generator being fueled. We will be working the area that includes grids D22/23 because the area of Culvert 1 is much too wet and slippery. 0700-Starting intrusive ops, SSO also in the booth.

0900-Break.

0919-Resume intrusive work. SUXOS in the booth SSO has departed.

1035-Stopped intrusive work to allow Robert to do repair work on the road in the area of Culvert 1.

1100-Repair complete, Robert is attempting to fix the road so the dump truck can operate and work can continue in the area of grid D07.

Most other areas are too wet at this time to use the dump truck safely.

1140-Stopped work to allow Todd Biggs and a few people from ADEM to look over the area. 1220-All ADEM and escorts have departed the EZ, resuming intrusive ops.

1230-Lightning detector showing lightning 8-20 miles, pulled personnel from equipment. Reset meter and now showing 20-40 miles only..

1246-Returning to work.

1250-Lightning detecor showing 3-8 miles. Stopping work again. Large mass of dark clouds moving in from the west. 1300-Lightning 0-3 miles, 30 minute wait. 1400-Called the day due to lightning/weather. Continually getting lightning at 0-3 and 3-8. 1410-Departed EBP, lock changed, all personnel clear of the EBP. 1520-Arrived compound, offload gear,

completed paperwork.

1530-Ops complete, all secure.

Team Member #1 Member #2 Member #3 Comments 7/14/2005 Int1 Robert Bo Reeves Anthony Joiner 0600-Morning safety meeting, truck checkout Mangrum and load. 0620-Depart compound for the EBP. 0630-Arrived EBP, equipment operators going in from the south, Iron Mountain road not passible going from the north. 0650-Equipment being inspected. 0705-Start intrusive ops in the area of grids **Team Leader** Lister D07/14/15. SSO also in the booth. 0915-Break, SSO departed and SUXOS is in the booth with me. 0930-Resuming intrusive work. 1145-Stopping for lunch, SUXOS departed site, Art coming in from the south to look at the progress. 1215-Art and Bill have departed and the equipment is being fueld. 1235-Resuming intrusive work in the area of grids D07/15/15. 1340-Lightning detector showing 20-40 miles. 1415-Break. 1430-SSO at site, discussing going down range to mark boundaries of excavation site so Robert can push soil beyond the same. Will mark area tomorrow. 1445-Resuming intrusive work. 1600-Stopped for the day, equipment operators departing from the south. 1610-Lock changed and all personnel clear of the EBP. 1620-Arrived compound, offload gear, complete paperwork. 1630-Ops complete, all secure. Member #1 Member #2 Member #3 Team Comments 7/15/2005 Bo Reeves Int1 Robert Anthony Joiner

Mangrum

Lister **Team Leader** 

0600-Morning safety meeting, truck checkout and load.

0625-Depart compound for EBP.

0640-Arrived EBP, SSO and myself are trying to located the same so when the time comes, Robert will know where to drop the spoils instead of having to load them on the dump truck.

0645-Mission accomplished, starting intrusive ops.

0905-Break.

0920-Resume intrusive work. SUXOS in booth

1005-Lightning detector showing lightning at 3-8 miles, pulled the equipment operators out of the equipment.

1020-SUXOS departed the area, going to the office to look at weather radar and discuss options with the SSO and the TOM.

1035-Nothing showing on radar, lightning detector indicating 20-40, resuming intrusive work and will monitor lightning detector. 1050-Shu t down, lightning 8-20 miles,

personnel out of equipment.

1110-Resuming work.

1125-Stopped work, lightning in the area. 1200-Leaving site for appointment, SSO in the booth.

No further entries.



Team Member #1 Member #2 Member #3 Comments 7/18/2005 Int1 Robert Bo Reeves Anthony Joiner 0600-Morning safety meeting, truck checkout and load. Mangrum 0625-Depart compound for EBP. 0640-Arrived EBP, UXO lock and barricades in place. Equipment being inspected and booth being prepared/generator being fueled. 0653-SUXOS also in booth, start intrusive ops. Working in the area of grids D22/23. **Team Leader** Lister 0900-Break, taking photos. 0915-SUXOS has departed, resuming intrusive ops. 0953-Stopped work, excavator has lost a bolt in the "Thumb", trying to fix it now. 1005-Bolt installed, resuming intrusive work. 1200-Lunch. 1230-Lunch complete, Bo on site with the dump. Starting intrusive work. 1415-Afternoon water break. 1430-Resuming intrusive work. 1600-Stopped for the day, departing EBP. 1610-All personnel have cleared the EBP and the lock has been changed. 1620-Arrived compound, offload gear, completed paperwork. 1630-Ops complete, all secure. Member #1 Member #2 Team Member #3 Comments 7/19/2005 Int1 Robert Bo Reeves Anthony Joiner 0600-Morning safety meeting, truck checkout Mangrum and load. 0620-Depart compound for the EBP. 0635-Arrived EBP, the UXO lock and barricades are in place. The equipment is being inspected. 0650-IT-28 has a low tire and the bucket will not tilt. Robert is doing some repair work on **Team Leader** Lister the road and near the booth. 0800-Start intrusive work in the area of grids D22/23. 0915-Morning break. 0935-Resuming intrusive work. 1155-Called by SUXOS that he was hearing thunder. Stopped ops and had equipment evacuated as well as the booth. 1200-Starting lunch. 1300- Still getting readings of lightning in the area, 8-20 miles. 1320-No lightning detected, resuming work. 1350-Lightning detector showing 3-8 miles. Equipment and booth being evacuated. 1441-Lightning detector still showing 3-8 miles. 1505-Lightning detector has shown 20-40 for the last ten minutes, resuming work. 1523-Lightning within 3-8 miles, stopping for the day. 1533-All personnel have cleared the EBP, UXO lock removed.

1540-Arrived compound, offload gear.

Team Member #1 Member #2 Member #3 Comments 7/20/2005 Int1 Robert Bo Reeves Anthony Joiner 0600-Morning safety meeting, truck checkout and load. Mangrum 0615-Depart compound for the EBP. 0625-Arrived EBP, UXO lock and barricades in place, equipment being inspected/fueled. 0648-Starting intrusive work. 0850-Break, down range taking photos. 0910-Resume work. **Team Leader** Lister 0915-Stopped work, SUXOS coming into the area and the booth. 0918-Resume work. 1100-Water break, SUXOS departing booth. 1110-Resumed work. 1200-Lunch. 1230-Resume work. 1345-Called by COE rep and told he was getting 3-8 reading on his lightning detector. I am showing an occasional 20-40. Called SUXOS who checked the radar which indicated some storms to the south of us. 1410-Shutting down to fuel the excavator. 1455-Stopped due to lightning in the area. 1520-Lightning still in the area, calling it a day. 1530-Depart the EBP, removed the UXO lock. 1540-All personnel clear of the EBP, in the compound. offloaded gear. 1555-Going off site to fuel truck. 1615-Returned to compound, completed paperwork. 1630-Ops complete, all secure. Team Member #1 Member #2 Member #3 Comments 7/21/2005 Int1 Robert Bo Reeves Anthony Joiner

**Team Leader** 

Mangrum

Lister

0600-Morning safety meeting, truck checkout and load.

0625-Depart compound for the EBP.

0640-Arrived EBP, UXO lock and barricades in place. Equipment being inspected/fueled. 0705-Starting intrusive work.

0905-Morning break, down range taking photos.

0930-Resuming work, SUXOS also in the booth.

1035-Water break, SUXOS departing booth.

1200-Lunch. 1230-Resume intrusive work, lightning

detector showing 20-40 miles.

1245-Lightning at 3-8 milesshutting down operations, all personnel under cover.

1310-Confirmed that COE rep and my detector are reading the same. 3-8 miles at this time. 1400-Lightning readings 3-8 and 8-2- at this time, work still stopped.

1430-Lightning still 3-8 miles, work still stopped.

1440-Day called for weather, all personnel departing EBP. UXO lock removed. 1450-All personnel in the compound, offloaded gear, completed paperwork.

1500-Gone Home

Team Member #1 Member #2 Member #3 Comments 7/22/2005 Int1 Robert Bo Reeves Anthony Joiner 0600-Morning safety meeting, truck checkout Mangrum and load. 0615-Depart for EBP. 0625-Arrived EBP, UXO lock and barricades in place. Equipment being inspected/fueled. 0645-Start intrusive work. 0800-Stopped work to allow Bill and Anthony to come in and get the "Thumb" that broke off **Team Leader** Lister the excavator yesterday. 0810-Resume work. 0905-Morning break, down range taking 0920-Resume work, SUXOS in the booth also. 1115-SUXOS has departed the booth. 1200-Stop for lunch. Returning to comund to do time sheets. 1230-Stopping for the day, maintenance being performed on equipment that will take the rest of the day. Team Member #1 Member #2 Member #3 Comments 7/25/2005 Int1 Robert Bo Reeves Anthony Joiner 0600-Morning safety meeting, truck checkout and load. Mangrum 0620-Depart compound for the EBP. 0630-Arrived EBP, equipment being inspected/fueled. Fueiing the generator. The equipment is outside the EZ where it was inspected over the week-end and will have to be brought in prior to starting work. **Team Leader** Lister 0650-Starting intrusive work, will be completing Culvert 1 work first thing this morning. 0835-Completed Culvert 1, taking photos and water break. 0850-Robert is going to dig a trench in grid S04 to allow the water to drain from the large hole created when the construction debris was removed several weeks ago. Bo using the IT28 to clear rocks from Iron Mountain road. 0925-Bo in the dump truck and ready to start hauling dirt. 1015-Water Break. 1025-Resume work. 1200-Lunch. 1230-Fueling equipment, taking photos and using Vallon to inspect area. 1240-Returned to the booth and the generator had stopped. Checked oil and added fuel and it would not turn over. Cleared my equipment from the booth and sitting in the truck, outside the EZ. COE rep is off site. 1435-Water break. 1445-Resume work. 1502-COE rep back on site. 1600-Stopped for the day. 1610-All personnel clear of the EBP, UXO lock changed.

1615-Arrived compound off load gear,

complete paperwork. 1630-Ops complete, all secure.

Team Member #1 Member #2 Member #3 Comments 7/26/2005 Int1 Robert Bo Reeves Anthony Joiner 0600-Morning safety meeting, truck checkout and load. Mangrum 0630-Depart compound for the EBP. 0640-Arrived EBP, UXO lock and barricades in place. Have new generator to replace broken one. 0705-Start intrusive work. 0725-After numerous problems, we have the **Team Leader** Lister air conditioning up and running but not the 0905-Morning break. 1020-Stopped work to allow me to go down range and use the Vallon to check some areas ln D22/23. 1030-Resume work. 1200-Stopped for lunch. 1230-Returning to work. I have vacated the booth. The air conditioner is putting out, but, the heat is unbearable and I'm too old to take it. 1415-Afternoon break, taking photos. 1430-Resume work. Dump truck not being used, Bo returning to the compound. 1600-Stopped for the day. 1610-All personnel clear of the EBP,UXO lock removed. 1620-Arrived compound, offloaded gear, completed paperwork. 1630-Ops complete, all secure. Team Member #1 Member #2 Member #3 **Comments** 7/27/2005 Int1 Robert Bo Reeves Anthony Joiner 0600-Morning safety meeting, truck checkout and load. Mangrum 0620-Depart compound for the EBP. 0630-Arrived EBP, UXO lock and barricades in place. Inspecting and fueling equipment. 0656-Start intrusive work. 0905-Break, Bo returning to the compound to get the pins so the "Thumb" can be attached to **Team Leader** Lister the excavator. Checking area with Vallon. 0925-Resuming work while waiting for parts. 1000-Bo returned to the EBP, but, Robert does not need the dump truck or the "Thumb" at this time. Bo is waiting in the booth with me. 1130-Stopped work to attach the "Thumb". 1200-Thumb attached, doing lunch. 1240-Bo has returned with the necessary parts. 1250-The "Thumb" is attached and we are resuming work. Will be moving trees. 1415-Lightning detector showing 3-8 miles, stopped equipment and having operators get into pickup trucks, starting afternoon break. 1440-After talking with SUXOS ang only getting lightning at 20-40 we are returning to work. 1443-Lightning at 3-8 and hearing thunder, going back to trucks for shelter.

1510-Day called for weather. Departing EBP. 1520-All personnel clear of the EBP, UXO

1530-Ops complete, all secure.

lock removed.

7/28/2005 Int1 Robert Bo Reeves Anthony Joiner Mangrum

Member #1

Team

**Team Leader** 

Lister

Member #3

Member #2

#### Comments

0600-Morning safety meeting, truck checkout and load.

0620-Depart complex for the EBP.

0630-Arrived EBP, UXO lock and barricades in place. Equipment being inspected/fueled. 0650-Down range to determine if digging has gone far enough to the boundary stakes. 0705-Called the SUXOS to have him come out and help.

0720-SUXOS at site and looking over the

boundaries.

0740-Determined that every thing is satisfactory. Cleared the area and Robert is moving trees.

0745-Determined that the Culvert 1 area has to be widened by a few feet. Informed Robert and he said he will take care of it.

0830-All of the trees that were on the ground have been moved. The dump truck will not be needed until after lunch at the earliest. Bo is returning to the compound to get fuel and do paperwork.

0930-Break. Using Vallon to check area. 0945-Resume work.

1200-Stopping for lunch, SUXOS bringing pin flags out to mark area of Culvert 1 to be widened.

1210-Useing tape measure to locate the correct line for the culvert and marked same with yellow pin flags.

1225-Going to the southern dig site to mark corners with orange flagging.

1250-Completed marking corners and resuming work.

1305-Informed SUXOS that we are getting 20-40 miles on lightning detector.

1335-Both the COE and my lightning detector showing 3-8 miles. Having Robert shut down excavator and take shelter in the pickup. I have departed the booth.

1510-Returning to work, no lightning in the

1526-Called the day due to lightning in the

1530-Departing EBP, Porta-Potty in tow. UXO lock removed.

1540-Arrived compound, offloaded gear, completed time sheet.

1600-Ops complete, all secure.

Team Member #1 Member #2 Member #3 Comments 7/29/2005 Int1 Robert Bo Reeves Anthony Joiner 0600-Morning safety meeting, truck checkout and load. Mangrum 0620-Depart compound for the magazine with SUXOS to do an inventory. 0655-Inventory completed and returning to the compound to get my truck. 0710-Arrived EBP, UXO lock and barricades in place. Equipment maintenance being **Team Leader** Lister performed. Robert missing a bolt from the bucket, Bo returning to get same. 0730-SUXOS on site looking over the hilltop dig site and both Robert and the SUXOS have determined that it is too wet from last nights rain. Robert will try to work the Culvert 1 area. 0815-Start work to widen the Culvert 1 area. 0920-Break. 0935-Resuming work in area of Culvert 1. 1130-Completed Culvert 1, Robert is tracking the excavator to the south area to make an attempt at getting it up the hill to dig. 1200-Area too slippery to work. Returning to the compound, calling it a day. UXO lock removed. 1215-Arrived compound, offloaded gear. Completed time sheet. 1230-Ops complete, all secure. Member #1 Member #2 Team Member #3 Comments 8/1/2005 Int1 Robert Bo Reeves Anthony Joiner 0600-Morning safety meeting, truck checkout Mangrum and load. 0625-Depart compound for EBP. 0635-Arrived EBP, UXO lock and barricades in place. Equipment 0700-Examined the dump truck for signs of UXO and found none. Took photos of the truck and then it was **Team Leader** Lister moved outside the EZ for pickup. 0715-Robert starting work on the eastern most sections of grids R03/06. 0845-Robert shutting down briefly to install bolt into pin on the excavator. 0850-Bolt installed, tracking to the top of the hill on Iron Mountain road. 0905-Starting work on upper area near gri D15/22/23. 0935-Break. 0945-Resuming work. 1200-Stop for lunch, ADEM personnel being escorted to the site by Bill. 1220--ADEM personnel have cleared the area. 1233-Resuming work. 1242-Rain starting to fall. 1300-Stopped work because of heavy rain falling, no lightning detected as of now. 1340-Robert has returned to the excavator to see if the area is too saturated after the rain. Told him to use caution. It appears more rain may be moving in from the south. 1600-Stopped for the day, departing EBP. 1610-All personnel clear of the EBP with exception of COE personnel. 1620-Arrived compound, off loaded gear, completed paperwork.

1630-Ops complete, all secure.

Team 8/2/2005 Int1

Member #1 Robert

Mangrum

Member #2 Member #3 Bo Reeves

Anthony Joiner

**Team Leader** 

Lister

## Comments

0600-Morning safety meeting, truck checkout and load.

0625-Depart compound for the EBP. 0635-Arrived EBP, UXO lock and barricades in place. Equipment being inspected/fueled. 0700-Starting work. Work is being completed in the areas near grids D15/22/23.

0915-Break, SUXOS on site and looking at area being worked. A question was raised regarding grids D34 & D47. It was asked if the grids were ever examined with an instrument and the answer is yes. Upon completion of the digging, a Vallon was used

to check both grids. A visual inspection of the spoils was also completed.

1130-EZ reduced to 200 feet because Robert is not intrusive. I am going down range to check the eastern edge of grids R03/06 with the Vallon. Bill on site.

1150-Identified and marked some areas that needed to be dug. Most of the east edge of grids R03/06 appeared to be clear of anomalies. It was agreed that the excavator would be needed one more day and efforts are underway to make that happen. 1210-Lunch.

1244-Robert starting to track the excavator to the lower road to dig the areas I marked earlier. 1305-Starting intrusive ops.

1345-Excavation of eastern edge complete as well as the rest of the grids in that area. Checked area with the Vallon and and no anomalies detected. Robert is tracking the excavator back to the top side to work grid D47 and then go south. EZ is now 200 feet. 1440-Completed work in D47 and now moving to the D15/23 & R02/06 area. Geo team on site to look area over.

1500-Geo team setting up base station in area north of grid S04.

1600-Stop for the day, Art and Cecil on site to look at progress.

1615-Departed EBP, personnel still on site. 1625-Arrived compound, offload gear. 1630-Ops complete, all secure.

Fort McClellan, Alabama Team Member #1 Member #2 Member #3 Comments 8/3/2005 Int1 Robert N/A N/A 0600-Morning safety meeting, truck checkout and load. Mangrum 0635-Depart compound for EBP. 0645-Arrived EBP, UXO lock and barricades in place. Equipment is being inspected/fueled. 0700-Tracking excavator to "S" grids to drain water. 0710-Starting op to drain water. **Team Leader** Lister 0835-Cecil in the booth so I can go to the GPO and get checked out on the reaquire instruments. 0940-Returned to the EBP and Cecil has departed. Robert is opening the road section of Culvert 1. 1022-Break. 1035-Resuming work. 1105-Robert has completed Culvert 1 and the S02/03/04 grids and is tracking back to the south to resume moving clean soil to facilitate mapping of the area. 1205-Lunch. 1235-Lunch complete, fueling excavator. 1300-Fueling complete, resuming slope of grids D15/23 and R02/06. 1400-Robert reported that he had been bitten by a spider while operating the excavator. The bite is on his left arm near the bicep. It is somewhat swollen and red. He said that he will inform the SSO at the close of buisness. 1420-Break. 1435-The work in the "D" grids has been completed and Robert is tracking the excavator to the Culvert 1 area to do some work there and the "S" grids. 1450-Completed all work with the excavator. Robert is tracking the excavator to an area so it can be cleaned, checked for UXO and photographed.

1600-Completed cleaning and inspection of UXO. Took photos and departing EBP. 1605-All personnel clear of the EBP and UXO

1615-Arrived compound, offload gear. Completed paperwork. 1630-Ops complete, all secure.

lock removed.

Member #2 Team Member #1 Member #3 Comments 8/4/2005 Int1 Joiner N/A N/A 0600-Morning safety meeting, truck checkout. 0615-Loading all the gear we will need for reaquire and mag/dig operations. 0705-At GPO and setting up for reaquire. 0950-Completed reaquire of GPO, break. 1005-Using Vallon to verify flag locations. 1130-Completed verification and recorded 10 **Team Leader** Lister flags that were over 35 centimeters off. Moving to the test grid to locate test items and mark same. 1200-Completed test grid, lunch. 1230-Completed lunch, loading gear to use RTS at the GPO. 1430-Completed at GPO, returning to the compound to test the Vallon and the go to the EBP and do mag and dig ops. 1500-Start mag and dig ops. 1600-Stop for the day, departing EBP. Mapping team still in EBP. 1630-Ops complete, all secure. Member #1 Member #2 Team Member #3 **Comments** 8/5/2005 Int1 Anthony N/A N/A 0600-Morning safety meeting, truck checkout and load. Joiner 0625-Depart compound for the EBP. 0635-Arrived EBP, UXO lock and barricades in place. Returning Porta John to the compound for service. 0800-Start mag and dig in areas of grids D22/23. 1110-Leaving EBP to get a tool to adjust the **Team Leader** Lister Vallon and do lunch. 1300-Returned to the EBP to resume mag and dig. 1325-Lightning within 3-8 miles, stopping work and cowering in the truck. 1345-No lightning in the area, resume mag and 1420-Lightning 3-8 miles, stopping work and taking shelter in the truck. 1430-Resume work. 1444-Lightning at 3-8 miles, taking cover in truck. 1450-Turned the lightning detector over to SUXOS. I am returning to the compound to do vehicle/equipment maintenance. 1600-Returned to EBP to take down the base station.

1630-Ops complete, all secure.

8/8/2005

Int1

Anthony

Bo Reeves tobert Mangrur

Joiner

Member #1

Team

Team Leader

Member #2

Lister

Member #3

## Comments

0600-Morning safety meeting, truck checkout. 0625-Depart compound for the EBP. Vallon checked out good at test plot. Going to the south gate.

0650-Arrived D07 and resuming mag and flag. 0800-Complete D07, no anomalies located.

0815-Start mag and dig of C67.

0900-Completed C67, no anomalies located.

0905-Departing and going to the north side.

0930-Starting mag and dig of anomalies.

0940-Lightning in the area, in vehicle.

0955-Resume mag and dig.

1130-Departed EBP for compound and lunch. Vallon checked out good.

1230-Starting dig of reaquired anomalies in the "S" grids

1355-Lightning detector showing 3-8, all personnel in trucks.

1430-Resume work.

1535-Completed diggs in Culvert 1.

1545-Departing EBP, mapping team still in EBP.

1600-Arrived compound, Vallon checkout is good, offloaded gear. Cleaned two COE seed items that were located today. Item numbers are as follow; H2O-004 and H2O-008.
1630-Ops complete all secure.

8/9/2005 Team Member #1 Member #2 Member #3
Int 1 Anthony Jner Mike N/A
Anderson

Team Leader

Lister

## Comments

0600-Morning safety meeting, truck checkout. 0625-Vallon checkout good. Departing compound for EBP.

0640-Arrived EBP, UXO lock and barricades in place.

0700-Start digging of anomalies in D47.

0730-Complete D-47, 3 anomalies dug.

Moving to D34.

0735-Start D34.

0800-Complete D34, 4 anomalies. Moving to "S" grids.

0810-Start S grids.

0840-Robert has arrived with the mini excavator.

0850-COE rep declared that Robert could not use the excavator because he was not UXO qualified.

0900-Robert is departing the EZ and I will be using the excavator.

0910-Break.

0930-Geo personnel setting up base station in the area.

0955-Resume work in S area.

1015-Geo team requires the Vallon, stopping intrusive work to take the Vallon to them and I am staying with them while they reaquire C67. 1115-Complete reaquire of C67, taking Vallon to vehicle.

1130-Lunch.

1200-Preparing to resume work in S grids, but, first checking west boundary of Culvert 1 because silt fence may have obstructed mapping of that area.

1210-Located COE seed item. 37mm projectile. COE H2O-006.

1235-Lightning 3-8 miles, shutting down. All personnel clear of the booth and in pickups 1315-Resume work.

1430-Lightning at 3-8, all personnel under cover.

1450-Resuming work.

1545-Complete S grids. Parked excavator near Culvert 1. Going to see if geo team needs hep. 1610-Geo stopped mapping for the day. I am departing the EBP.

1630-Arrived compound, offloaded gear, completed paperwork.

1645-Ops complete, all secure.

Fort McClellan, Alabama Team Member #1 Member #2 Member #3 Comments 8/10/2005 Int2 Cecil Taylor Anthony N/A 0600-Morning safety meeting, truck checkout. 0625-Vallon checked out good, Joiner departing compound for the EBP. 0700-Arrived EBP, drove the south way to 0710-Start intrusive work in C67. 0910-Completed all but 4 digs, will use excavator to complete them when it is brought **Team Leader** Lister around to the south side. 0950-Returned to the compound to get with QC. Bill is out with the COE. 1045-Returned to the EBP to use the excavator in C67. 1110-Digging in C67. 1120-Stopped due to heavy rain, no lightning on the detector. 1130-Lunch. 1145-Mapping stopped due to lightning in the 1200-Lunch complete, rain still falling, but sky is getting brighter. Resuming mapping. 1214-Lightning in the area, mapping stopped. 1230-Lightning 3-8 miles and hearing thunder. 1238-Lightning 20-40 miles, mapping team resuming work. 1255-Lightning 0-3 miles, stopped mapping 1305-Resume mapping. 1330-Calling it a day because of lightning. 1400-Arrived compound, offload gear. 1415-Ops complete, all secure. **Team** Member #1 Member #2 Member #3 **Comments** 8/11/2005

**Team Leader** 

Mike

Anderson

Anthony

Joiner

Lister

N/A

0600-Morning safety meeting, truck checkout. 0625-Vallon checkout good, departing for EBP. 0700-Arrived EBP, starting QC of C67. 0745-Complete QC and moving to the S grids. 0810-Arrived S grids

0820-Start QC.

0940-Completed QC of "S" grids.

0945-Start QC of Culvert 1.

1015-Completed QC of Culvert 1, moving to

D3 and D47.

1050-Completed QC of D34 and D15.

Contacting SUXOS to start digging anomalies

in D22/23.

1200-Lunch.

1230-Resume intrusive work.

1540-Lightning 0-3, all personnel under cover.

1600-Departing EBP, mapping team behind me. 1615-Arrived compound, offloading gear. The

key to the secure room in the equipment building was not in the box. I put the Vallon and the White in Bos' office. Completed time

1630-Ops complete, all secure.



Int1

8/12/2005	Team	Member #1	Member #2	Member #3	Comments
6/12/2005	Int1	N/A Team Lea	N/A  Ader Lis	N/A	0600-Morning safety meeting, truck checkout. 0625-Vallon checked out good, depart for EBP. 0640-Arrived EBP, UXO lock and barricades in place. 0700-Start intrusive ops in area of D22/23. 0945-Stopped work to return to the compound and get 8hr refresher trng. Completed 36 digs plus 8 mag and dig flags. 1005-Arrived compound, Vallon post op check good, offloaded gear. 1015-Awaiting 8hr refresher trng.
8/15/2005	Team	Member #1	Member #2	Member #3	Comments
6/15/2005	Int1	Anthony Joiner	Mike Anderson	ten.	0600-Morning safety meeting, truck checkout. 0625-Vallon checkout good, departing compound for EBP. 0645-Arrived EBP, UXO lock and barricades in place. 0700-Starting intrusive in D22/23 area. 0850-Completed all but 7 digs. Moving to R18 as mapping completes map and reaquire so we
		Team Le	<b>ader</b> Lis	ter	can dig anomalies. 0930-Helping geo team with mapping and reaquire. 1015-Start digging of anomalies in R18. 1245-Resume digging R18. 1330-Going around to the south and dig anomalies put in this morning by reaquire team. 1550-Stopped for the day, departing the EBP. UXO lock removed from south gate. 1610-Arrived compound, Vallon check good, offload gear. 1630-Ops complete, all secure.

Team Member #1 Member #2 Member #3 Comments 8/16/2005 Int1 Anthony Mike N/A 0600-Morning safety meeting, truck checkout. 0625-Vallon checkout good, departing Joiner Anderson compound for the EBP. 0650-Arrived EBP, UXO lock and barricades in place. 0700-Resuming work in the south area. 0720-Using harness to complete mag and dig area that was very steep. **Team Leader** Lister 0800-Completed steep area. Going to R18 to check spoils and some additional hits. 0930-Digging anomalies in the east section of 1030-Using excavator to dig a couple of areas of concrete in the south area. 1130-Excavator down for broken fitting. Robert going off site for the part. 1200-Lunch. 1230-Returning to the EBP to help out the geo team if needed. 1345-Going with the geo team to reaquire three more anomalies. 1430-Not able to reaquire anomalies because bad time of the day for satellites, not able to maintain lock. Will try early tomorrow. 1530-Robert returned with the part to fix the excavator and is doing so now. 1600-Excavator repaired, returning to the compound. 1610-North UXO lock changed. 1620-Arrived compound, Vallon checked good, offloaded gear.

8/17/2005 Team Member #1 Member #2 Member #3

Int 1 Anthony Robert N/A

Joiner Mangrum

Team Leader

Lister

Comments

0600-Morning safety meeting, truck checkout. 0625-Vallon checked out good.

 $0630\mbox{-}Departed compound for the EBP.$ 

0645-Arrived bypass, UXO lock and barricades in place.

1630-Ops complete, all secure.

0650-Starting digging using mini-excavator in steep mag/dig area.

1030-Encountered large piece of concrete at a deep depth. The area is so steep that the miniexcavator cannot keep up with the soil that is falling in. Stopped the operation and the idea of bringing in a larger excavator is being discussed.

1100-Mini-excavator was tracked to the "S" area and we are digging some additional flags. Also working the Culvert 1 and R18 areas. 1200-Complete in the above mentioned areas. Returning to the compound for lunch. 1330-Working with QC in the EBP. 1456-Lightning within 3-8 miles, mapping team and QC/QA team also under cover. 1540-Map team taking down the base station, lightning 20-40 miles. I am going to change the UXO lock on the south side. 1615-Lock changed, returning to the compound.

compound.
1624-Arrived compound, offloaded gear,

Vallon is with SSO. Completed paperwork. 1630-Ops complete, all secure.



	Team	Member #1	Member #2	Member #3	Comments
8/18/2005	Iream Int1	Anthony Joiner  Team L	N/A	D. H.	O600-Morning safety meeting, truck checkout. 0625-Load gear, Vallon checked out good. Depart for EBP. 0640-Arrived EBP, UXO locks and barricades in place. Setting up base station for QC reaquire. 0710-Start QC reaquire in the SA area. 0800-Completed reaquire, awaiting QC to arrive. 0810-Beginning digging of QC flags. 1015-Completed QC work in SA. Returning to the office to complete paperwork. 1200-Paperwork complete, lunch. 1230-Lunch complete, helping QC with some paperwork. 1300-Returning to R18 to complete minor work. Replaced bad fitting on mini-excavator and unit no longer leaks.
					1350-Lightning 0-3 miles, all personnel under cover. 1425-Lightning and heavy rain still in the area. 1447-Lightning 3-8 miles. 1455-Resuming work, lightning at 20-40 miles. 1530-Lightning 3-8 miles, all personnel under cover. 1600-Departing site, south lock changed. 1630-Arrived compound, offloaded gear. Ops complete, all secure.
8/19/2005	Team Int1	Member #1 Anthony Joiner  Team L	Member #2 N/A  eader Lis	Member #3 N/A ter	Comments  0600-Morning safety meeting, truck checkout. 0625-Vallon checkout good, load truck. Depart compound for the EBP. 0640-Arrived EBP, worki with QC in the "S" grids. 0900-Complete QC, tracking mini-excavator to lower road for pickup at a later time. 0915-Returning to the compound to clean up gear and prepare for demo ops. 1100-Prepatory inspection completed for demo. 1130-Fueling vehicle 21. 1145-Returning to the compound for lunch. 1230-Start demo.
5/26/2005	<b>Team</b> Equipment Escon	Member #1 N/A	Member #2 N/A	<b>Member #3</b> N/A	Comments 0730 Hertz equipment rental delivers John Deere, 650, LGP Dozer 0900 Hertz offiste 0905 End of log

Team Leader Mangrum



## **Appendix C-3**

**Munitions Debris and Non-Munitions Debris Totals** 



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Grid	Description	Weight (lbs.)
C67		
	Munitions Debris	1
CULVERT	Non-Munitions Debris	63
CULVERI	Munitions Debris	2
	Non-Munitions Debris	19
D07	Tion Manager Bearing	
	Non-Munitions Debris	0
D14		
	Non-Munitions Debris	5
D15	M. M. W. D.L.	4
D22	Non-Munitions Debris	4
D22	Munitions Debris	2
	Non-Munitions Debris	4
D23	TVOII TVIGITITIONS DEDITS	7
220	Non-Munitions Debris	9
D34		
	No Find	0
	Non-Munitions Debris	0
D47		
	No Find	0
D75	Munitions Debris	1
PPR	Munitions Deoris	1
FFR	Munitions Debris	1
	No Find	0
	Non-Munitions Debris	23
R02		
	Non-Munitions Debris	9
R03		
	Non-Munitions Debris	1
R05	W W S 511	0
DOC.	Non-Munitions Debris	0
R06	Non-Munitions Debris	2
R18	TVOII TVIGITITIONS DEDITS	
1110	Munitions Debris	5
	No Find	0
	Non-Munitions Debris	4
S02		
	Non-Munitions Debris	2
S03		
	Non-Munitions Debris	0
S04	Non-Munitions Debris	1
SA	Non-Munuons Debns	1
ъn	Munitions Debris	4
	No Find	0
	Non-Munitions Debris	26
SA2	Ton Training Doors	20
	No Find	0
	Non-Munitions Debris	11



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